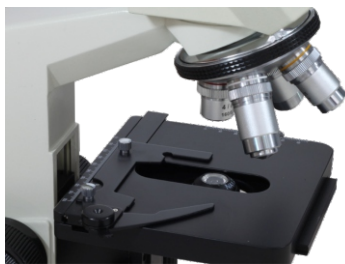# Microscope

Biological Microscope
Inverted Microscope
Stereo Microscope
Metallurgical Microscopes
Dissection Microscope
Polarizing Microscope
Microscope consumable

XSZ-107 Series Biological Microscope

XSZ-107 Series Biological microscope has stable frame and can fit monocular, binocular, trinocular head on it. Double layer mechanical stage with adjustable long handle and coaxial coarse /fine focus knob make the operation easily. It is provided with high quality achromatic objectives, wide field eyepieces and halogen lamp adjustable brightness, which guarantee the best image. Also you can equip with phase device. It's both excellent in performance and moderate price. It is used widely for clinical examination, teaching demonstration & cytoscopy in colleges and universities, medical and health establishments, research institutes and department for forestry and agriculture.

XSZ-107BN

XSZ-107BN

XSZ-107BN(CCD)

Structure:

XSZ-107 Series of microscope is composed by nine main component parts:

1. Stand: It's the base bearing total weight of microscope, which builds in illumination system, electronic parts and connecting control.

2. Arm: It's the central part connecting the flame and every main component parts. It's provided with coaxial coarse/fine focus system, with tension adjustable knob and limited stopper.

3. Rise and fall support: It connects with stage, arm and condenser. Stage and condenser can move smoothly through it.

4. Eyepiece head: It can adjust interpupillary distance and visibility, and 45°inclined(Sliding style) or 30°inclined(Compensation free), in order to observe comfortably and conveniently, Binocular head, trinocular head & monocular head are optinal.

5. Eyepiece: Using WF10X and WF16X (for choice) wide field eyepiece.

6. Nosepiece: It guarantees smooth rotation by quadruple revolving nosepiece.

7. Objective: 4X, 10X, 40X(S) and 100X(S, Oil) high quality achromatic objectives make the imaging clearly.

8. Stage: Using double layer mechanical stage, it can be operated much easily by coaxial knob in low position.

9. Condenser: ABBE condenser N.A.=1.25 with iris diaphragm, kolher illumination is optional.

Specification:

Specification		Model	
		XSZ-107BN	XSZ-107 (CCD)
Viewing Head	Sliding Binocular Head, Inclined at 45Å	●	
	Trinocular Head for Video Camera (C Mount) (CCD is option)		●
Objective	Achromatic DIN 4X,10X,40X(S),100X(S,Oil)	●	●
Eyepiece	Wide Field Eyepiece WF10X	●	●
	Wide Field Eyepiece WF16X	O	O
Stage	Double Layers Mechanical Stage140*140mm Moving range 45*75mm	●	●
Focusing	Coaxial Coarse And Fine Adjustment, Focusing Range 30mm, Fousing Interval 0.002mm	●	●
Condenser	Abbe N.A 1.25 with Iris Diaphragm & Filter	●	●
Illumination	Built-in Illumination, Halogen Lamp 110V/220V/6V 20W	●	●
Package	Foam + Carton packing (Standard Packing);	●	●
	Foam + Wooden Case + Caron packing (Optional Packing)	O	O

Note: "ð" is standard configuration. "O" is option

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XSZ-146 Series Biological Microscope

High efficiency, flexibility and stability are the characters of this series microscope.
It is specially developed for various applied scopes. It is widely used, from daily work to scientific research, in Laboratory, Hospitals and Colleges. Because of higher capability with lower price and humanized configuration design, It also becomes the first choice of individual, Schools, and Scientific research organization.

XSZ-146A

XSZ-146AT

Features:
1. Wide-field Eyepiece, high light illumination and superior optical parts make the image clear, sharp and bright.
2. Backward nosepiece with superior objectives makes the best viewing effect and more space for the operator.
3. Wide mechanical stage with 2-Microslide specimen clamp provides more convenience for the observer.
4. High precision focusing adjustment system and humanized   configuration design provide operator more comfortable.
5. Frontal undrawing type Light collector framework, makes the user change the bulb more quickly and easily.

Specification:

Specification		Model			
		XSZ-146	XSZ-146T	XSZ-146A	XSZ-146AT
Viewing head	Compensation Free Binocular Head. Inclined at 30°	S		S	
	Compensation Free Trinocular Head. Inclined at 30°		S		S
Interpupillary Distance	55mm -75mm	S	S	S	S
Eyepiece	WF10X/ 18mm	S	S		
	WF10X/ 22mm			S	S
Objective	Achromatic Objextive: 4 X, 10X, 40X(S), 100X(S, Oil)	S	S		
	Infinity objective: 4 X, 10X, 40X(S), 100X(S, Oil)			S	S
Stage	Double layers mechanical stage, Stage size: 180mm*150mm, Moving range: 75mm*50mm	S	S	S	S
Condenser	N.A1.25 Abbe condenser with iris diaphragm&filter	S	S	S	S
	Swing type N.A1.25 Abbe condenser with iris diaphragm & filter	O	O	O	O
Focusing	Coaxial coarse & fine focusing adjustment with rack and pinion mechanism, Fine focusing scale Value 0.002mm	S	S	S	S
Collector	High brightness Kohler illumination	S	S	S	S
Light source	Halogen tungsten bulb 12V/20W.AC 85V-230V Adjustable brightness	S	S	S	S

Mark "S" standard outfit. Mark "O" optional parts.

Optional Accessory	Eyepieces:	WF16X, WF20X, P16X, 1.3 or 3.0 Mega pixels CMOS electronic eyepieces
	Plan-Objectives:	2X, 4X, 10X, 20X(S), 40(S), 60X(S), 100X(S, Oil)
	Infinite-Plan Objectives:	2X, 4X, 10X, 20X(S), 40X(S), 60X(S), 100X(S, Oil)
	Phase contrast Attachment	Simple Polarization Set
		Photo and CCD attachment

L1180 Video Microscope

L1180 video biological microscopes are equipped with achromatic objectives, wide field eyepieces and video trinocular. It provide clear image, wide field, convenience operation. It can observe and display dynamic micro image at the same time. It can be used for biology, medicine, agriculture and industry area widely. It is the ideal instrument in medical treatment, teaching demonstration and scientific research.

Features:
∗ With wide field eyepieces and achromatic objectives, the field of view is widely and clear
∗ Built-in color CMOS or CCD sensor and video output
∗ Coaxial coarse/fine focus system, minimum division of fine focusing: 2μm
∗ 6V 20W halogen lamp with brightness control

Specification:

Model	L1180
Eyepiece	WF10X(Ø18mm)
Objective	Achromatic 4X/0.10
	Achromatic 10X/0.25
	Achromatic 40X/0.65(Spring)
	Achromatic 100X/1.25(Spring, oil)
Video trinocular	Built-in clear color 1/3" CMOS sensor, horizontal resolution:380TV lines
	White Balance: Automatic, Color. Video output: 1Vp-p/75ΩNTSC/PAL(optional).
	Power supply adapter:9V DC
Focus system	Coaxial coarse/fine focus system, minimum division of fine focusing: 2μm
Nosepiece	Quadruple(Frontward ball bearing inner locating)
Stage	Double layer mechanical (Size:135mmX125mm, Move range: 75mmX35mm)
Abbe condenser	N.A.1.25 Rack & pinion adjustable
Filter	Blue filter
	Frosted filter
Collector	For halogen lamp
Light source	6V 20W Halogen lamp ,adjustable brightness
Attachment	Video cable, length:1.8M

HK-116 Series Biological Microscope

HK-116NL   HK-116B   HK-116FB

Specification		HK-116NL	HK-116B	HK-116FB
		Model		
Viewing Head	Monocular Inclined at 45°	ǒ	●	●
	Ä360ê Rotatable		ǒ	●
Eyepiece	WF10X	ǒ	●	●
Objective	Achromatic 4X, 10X, 40X (s)	ǒ	●	●
Stage	Plain stage with slide clips Stage size: 90mm*90mm	ǒ	●	●
Condenser	Single lens with Disc diaphragm	ǒ	●	●
Focusing	ÄCoarse Focusing Adjustment	ǒ		●
	ÄCoaxial coarse & fine focusing adjustment Fine focusing scale value 0.002mm		ǒ	●
Light Source	Incandescent lamp 220V/20W or 110V/20W	ǒ	●	●
Optional Accessory	Eyepiece: WF16X, WF20X Objective: 20X, 60X (s) LED illumination			

SME-116M Biological Microscope

Specification:

Specification		SME-116M
		Model
Viewing Head	Sliding Binocular Head, Inclined at 45°	●
Eyepiece	WF10x	●
Objective	Achromatic 4x, 10x, 40x(s), 100x(s, oil)	●
Stage	Double layers mechanical stage, Stage size:104*95mm, Moving Range:50mm*15mm	●
Condenser	N.A.1.25 Abbe Condenser with iris diaphragm and filter	●
Focusing	Coaxial coarse & fine focusing adjustment, Fine focusing scale value 0.002mm	●
Light Source	Reflected rechargeable LED light, brightness adjustable	●
	Transmitted rechargeable LED light, brightness adjustable	●
Packing	Foam + Carton packed	●
Optional Accessories	Triple nosepiece WF16X, WF20X eyepiece; 20X, 60X (s) objective; Monocular Head; Trinocular Head Incandescent Lamp 220V/20W or 110V/20W Wooden Packed or Aluminium Case packed	

SME-116M

L1050A Series Biological Microscopes

L1050 biological microscope is equipped with achromatic objectives and wide field eyepieces. It has clear image and wide view field through optical system. It can be broadly applied in biology medicine, agriculture and etc. It is the ideal instrument for medical treatment, teaching.

Features:
* With wide field eyepieces and achromatic objectives, the field of view is widely and clear.
* Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 4μm.
* 6Volt 20Watt Halogen lamp with brightness control.

Specification:

Model	L1050A	L1050B
Eyepiece	Wide field WF10X(Ø18mm)	
Objective	Achromatic 4X/0.10	
	Achromatic 10X/0.25	
	Achromatic 40X/0.65(Spring)	
	Achromatic 100X/1.25(Spring, oil)	
Eyepiece tube	Binocular, Sliding(Inclination of 30°)	
Focus system	Focus system: Coaxial coarse/fine focus system. Minimum division of fine focusing: 4μm	Focus system : Coaxial coarse/fine focus system, with tension adjustable and up stop. Minimum division of fine focusing: 4μm
Nosepiece	Quadruple(Backward ball bearing inner locating)	
Stage	Double layer mechanical(Size:125mmX115mm, Move range: 70mmX30mm)	
Abbe Condenser	Abbe condenser with aperture diaphragm and filter seat. Rack & pinion adjustable N.A.1.25	
Filter	Blue filter	
	Frosted filter	
Collector	For halogen lamp	
Light source	6Volt 20Watt Halogen lamp with brightness control	

XSP-116LED

Model : XSP-116LED

Specification:

Viewing Head	Monoculer Inclined at 30°
Eyepiece	WF10X
Objective	Achromatic 4X, 10X, 40X (S)
Stage	Plain stage with slide clips, Stage size: 90*90mm
Condenser	Single lens with Disc diaphragm
Focusing	Coarse Focusing & fine focusing adjustment, fine focusing scale value 0.002mm
Light Source	LED light

SME Series Biological Microscope

SME-F6A

SME-F6BN(F6D)

SME-F6E

Specification		Model		
		SME-F6A	SME-F6BN	SME-F6E
Viewing Head	Monocular Inclined at 45°, 360°Rotatable	•		
	Compensation Free Binocular Head,Inclined at 30°(55mm-75mm)		•	
	Compensation Free Trinocular Head,Inclined at 30°(55mm-75mm)			•
Eyepiece	WF10x/18mm	•	•	•
Objective	Achromatic 4x, 10x, 40x(s), 100x(s, oil)	•	•	•
Stage	Double layers mechanical stage Stage size:110mmx126mm Moving Range:70mmx30mm	•	•	•
Condenser	N.A.1.25 Abbe Condenser with iris diaphragm and filter	•	•	•
Focusing	Coaxial coarse & fine focusing adjustment Fine focusing scale value 0.002mm Focusing Range 30mm	•	•	•
Light Source	Halogen bulb 6V/20W, AC 220V/110V	•	•	•
Optinal Accessory	Eyepiece:WF16x, WF20x, P16x Objective :20x, 60x(s) Reflective Mirror, Demonstration (Teching) Head CCD Adapter Compensation Free Binocular & Trinocular Head(48mm-75mm) LED illumination			

SME-L

SME-F1

SME-F1-100

Specification		Model		
		SME-F	SME-F1	SME-F1-100
Viewing Head	Monoculer Inclined at 45°, 360° Rotatable	•	•	•
	Monoculer Inclined at 45°			
Eyepiece	WF10X	•	•	•
Objective	Achromatic 4X, 10X, 40X(S)	•	•	
	Achromatic 4X, 10X, 40X(S), 100X(S,Oil)			•
Stage	Plain stage with slide clips Stage size: 110mmX110mm	•		
	Double layers mechanical stage Stage size: 110mmX105mm, Moving range:70mm×30mm		•	•
Condenser	Singlelens with Disc diaphragm	•		
	N.A.1.25 Abbe Condenser with iris diaphragm and filter		•	•
Focusing	Coarse Focusing Adjustment			
	Coaxial coarse & fine focusing adjustment, Fine focusing scale value 0.002mm	•	•	•
Light Source	Incandescent lamp, 220V/20W or 110V/20W	•	•	•
	Reflective Mirror			
Optional Accessory	Eyepiece : WF16X、P16X Objective : 20X, 60X (S), 100X(s)oil LED illumination			

L1100 Series Biological Microscopes

L1100A

L1100B

L1100 series biological microscopes are equipped with achromatic objectives and wide field eyepieces. They have clear image and wide view field.

They can be used for biology, medicine, and agriculture and industry area widely. They are the ideal instruments in medical treatment, teaching demonstration and scientific research.

Features:
* With wide field eyepieces and achromatic objectives, the field of view is widely and clear.
* L1100A:Coaxial coarse/fine focus system; L1100B:Coaxial coarse/fine focus system with tensional adjustable and up stop, minimum division of fine focusing: 2µm.
* 6Volt 20Watt Halogen lamp with brightness control

Specification:

Model	L1100A	L1100B
Eyepiece	Wide field WF10X(Þ18mm)	
	Wide field WF16X(Þ11mm)	
Objective	Achromatic 4X/0.10	
	Achromatic 10X/0.25	
	Achromatic 40X/0.65(Spring)	
	Achromatic 100X/1.25(Spring, oil)	
Eyepiece tube	Binocular(Inclination of 30£)	
Focus system	Coaxial coarse/fine focus system. Minimum division of fine focusing: 2µm	Coaxial coarse/fine focus minimum division of fine focusing: 2ëm, with tensional adjustable and limit stopper, base bearing black plastic cap
Nosepiece	Quadruple(Frontward ball bearing inner locating)	
Stage	Double layer mechanical (Size:135mmX125mm, Move range: 75mmX35mm)	
Abbe condenser	N.A.1.25 Rack & pinion adjustable	
Filter	Blue filter	
	Frosted filter	
Collector	For halogen lamp	
Light source	6Volt 20Watt Halogen lamp with brightness control	

L1200 Series Biological Microscopes

L1200B

L1200 series biological microscopes are equipped with achromatic objectives and wide field eyepieces. They have clear image, wide field, etc.

They can be used for biology, medicine, and agriculture and industry area widely. They are the ideal instruments in medical treatment,teaching demonstration and scientific research.

Features:
* With wide field eyepieces and plan achromatic objectives, the field of view is widely and clear.
* Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2µm.
* 6 Volt 20 Watt Halogen lamps with brightness control.

Specification:

Model	L1200A	L1200B	L1200C
Eyepiece	Wide field WF10X(Þ18mm)		
Objective	Achromatic 4X/0.10		
	Achromatic 10X/0.25		
	Achromatic 40X/0.65(Spring)		
	Achromatic 100X/1.25(Spring, oil)		
Eyepiece tube	Binocular(Inclination of 30°)		
Focus system	Coaxial coarse/fine focus system. Minimum division of fine focusing: 2µm	Coaxial coarse/fine focus minimum division of fine focusing: 2µm, with tensional adjustable and up stop, base bearing black plastic cap	Coaxial coarse/fine focus with tensional adjustable and up stop, minimum division of fine focusing: 2µm.
Nosepiece	Quadruple(Backward ball bearing inner locating)		
Stage	Double layer mechanical (Size:135mmX125mm, Move range: 75mmX35mm)		
Abbe condenser	N.A.1.25 Rack & pinion adjustable		
Filter	Blue filter		
	Frosted filter		
Collector	For halogen lamp		
Light source	6V 20W, Halogen lamp with brightness control		

L2000 Series Biological Microscopes

L2000 series biological microscopes are equipped with plan achromatic objectives and wide field eyepieces. They provide clear image, wide field,convenience operation. They can be used for biology medicine agriculture and industry area widely. They are the ideal instrument in medical treatment,teaching demonstration and scientific research.

Features:

* With wide field eyepieces and plan achromatic objectives, the field of view is widely and clear
* Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2μm
* Using Kohler illumination with 6 Volt 20 Watt Halogen lamps with brightness control.

L2000A(HTG)

Specification:

Model	L2000A	L2000B
Eyepiece	Wide field WF10X(Ⅰ20mm)	
Objective	Plan achromatic PL 4X/0.10	Plan achromatic PL 4X/0.10
	Plan achromatic PL 10X/0.25	Plan achromatic PL 10X/0.25
		Plan achromatic PL 20X/0.40
	Plan achromatic PL 40X/0.65(Spring)	Plan achromatic PL 40X/0.65(Spring)
	Plan achromatic PL 100X/1.25(Spring, oil)	Plan achromatic PL 100X/1.25(Spring, oil)
Eyepiece tube	Binocular(Inclination of 30）	
Focus system	Coaxial coarse/fine focus, with tensional adjustable and up stop minimum division of fine focusing: 2ëm.	
Nosepiece	Quadruple(Backward ball bearing inner locating)	Quintuple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:160mmX140mm, Move range: 75mm*50mm)	
Abbe condenser	N.A.1.25 Rack & pinion adjustable	
Filter	Blue filter	
	Frosted filter	
Collector	For halogen lamp	
Light source	6V 20W Halogen lamp with brightness control	

L3000 Series Biological Microscope

L3000 series biological microscope is equipped with plan achromatic objectives and wide field eyepieces. It provides clear image, wide field, convenience operation. It can be used for biology medicine agriculture and industry area widely. It is the ideal instrument in medical treatment, teaching demonstration and scientific research.

Features:

* With wide field eyepieces and plan achromatic objectives, the field of view is widely and clear
* Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2μm
* Using Kohler illumination with 6V 20W halogen lamp with brightness control.

Specification:

Model	L3000A	L3000B
Eyepiece	WF10X(Ⅰ20mm)	
Objective	Plan achromatic PL 4X/0.10	Plan achromatic PL 4X/0.10
	Plan achromatic PL 10X/0.25	Plan achromatic PL 10X/0.25
		Plan achromatic PL 20X/0.40
	Plan achromatic PL 40X/0.65(Spring)	Plan achromatic PL 40X/0.65(Spring)
	Plan achromatic PL 100X/1.25(Spring, oil)	Plan achromatic PL 100X/1.25(Spring, oil)
Eyepiece tube	Binocular(Inclination of 30）	
Focus system	Coaxial coarse/fine focus, with tension adjustable and up stop minimum division of fine focusing: 2ëm.	
Nosepiece	Quadruple(Backward ball bearing inner locating)	Quintuple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:210mmX140mm, Move range: 75mmX50mm)	
Abbe condenser	N.A.1.25 Rack & pinion adjustable	
Filter	Blue filter	
	Frosted filter	
Collector	For halogen lamp	
Light source	6V 20W Halogen lamp with brightness control	

XSZ-150 150T 150A 150AT
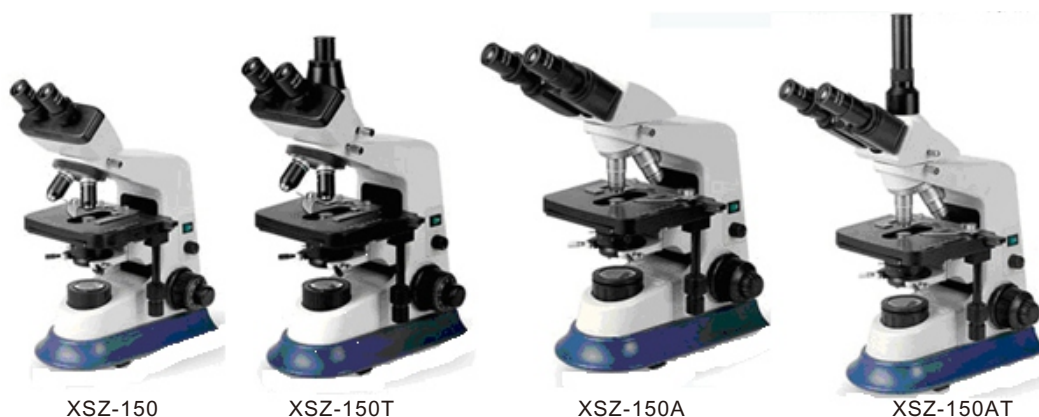
| XSZ-150 | XSZ-150T | XSZ-150A | XSZ-150AT |

High efficiency, flexibility and stability are the characters of this series microscope. It is specially developed for various applied scopes. It is widely used, from daily work to scientific research, in Laboratory, Hospitals and Colleges. Because of higher capability with lower price and humanized configuration design, It also becomes the first choice of individual, Schools, and Scientific research organization.

Features:
1. Wide-field Eyepiece, high light illumination and superior optical parts make the image clear, sharp and bright.
2. Backward nosepiece with superior objectives makes the best viewing effect and more space for the operator.
3. Wide mechanical stage with 2-Microslide specimen clamp provides more convenience for the observer.
4. High precision focusing adjustment system and humanized   configuration design provide operator more comfortable.
5. Frontal undrawing type Light collector framework, makes the user change the bulb more quickly and easily.

Spec:

Specification		Model			
		XSZ-150	XSZ-150T	XSZ-150A	XSZ-150AT
Viewing head	Sliding Binocular Head.Inclined at 4 5 ° (52mm -74mm)	●			
	Compensation Free Binocular Head. Inclined at 30 ° (55mm -75mm)			●	
	Sliding Free Trinocular Head .Inclined at 45 ° (52mm -74mm)		●		
	Compensation Free Trinocular Head . Inclinedat30 ° (55mm -75mm)				●
Eyepiece	WF10X			●	
Objective	Achromatic objective: objective:4X,10X,40X(S),100X(S)Oil			●	
Stage	Double layers mechanical stage			●	
	Stage size:180mmX150mm			●	
	Moving range :75mmX50mm			●	
Condenser	N. A.1.25 Abbe condenser with iris diaphragm & filter			●	
Focusing	Coaxial coarse&fine focusing adjustment with rack and pinion mechanism Fine focusing scale Value 0.002mm			●	
Collector	High brightness Kohler illumination			●	
Light source	Halogen tungsten bulb12V/20W.AC85V- 230V Adjustable brightness			●	
Optional Accessory	Eyepieces: WF16x,WF20x,P16x				
	1.3, 2.0, 5.0 Mega pixel,CMOS electronic eyepiece				
	Plan-Objectives: 4X, 10X, 20X(S), 40X(S), 60X(S), 100X(S)Oil				
	Semi-plan objectives: 4X,10X,20X(S),40X(S),60X(S),100X(S)Oil				
	Infinity objectives: X,10X,20X(S),40X(S),60X(S),100X(S)Oil				
	Phase Contrast Attachment Photography attchment and CCD Adapter 0.5x, 0.57x, 0.75x				

MC-1180 Video Microscope

MC-1180 digital biological microscopes are equipped with achromatic objectives and wide field eyepieces and digital trinocular. It provide clear image, wide field, convenience operation. It can observe and display dynamic micro image at the same time. It can be used for biology, medicine, agriculture and industry area widely. It is the ideal instruments in medical treatment, teaching demonstration and scientific research.

Features:
* With wide field eyepieces and achromatic objectives, the field of view is widely and clear
* Built-in color CMOS sensor and USB output
* Coaxial coarse/fine focus system, minimum division of fine focusing: 2μm
* 6V 20W halogen lamp with brightness control

Specification:

Model	MC-1180
Eyepiece	WF10X(Ø18mm)
Objective	Achromatic 4X/0.10
	Achromatic 10X/0.25
	Achromatic 40X/0.65(Spring)
	Achromatic 100X/1.25(Spring, oil)
Digital trinocular	Built-in clear color 1/2" CMOS sensor , the dynamic resolution is 1280*1024(UXGA) , USB2.0 System requirement : Windows 2000 @SP4 / Windows XP @SP2/ Windows Vista
Focus system	Coaxial coarse/fine focus system. Minimum division of fine focusing: 2μm
Nosepiece	Quadruple(Frontward ball bearing inner locating)
Stage	Double layer mechanical (Size:135mmX125mm, Move range: 75mmX35mm)
Abbe condenser	N.A.1.25 Rack & pinion adjustable
Filter	Blue filter
	Frosted filter
Collector	For halogen lamp
Light source	6V 20W Halogen lamp with brightness control

L2080 Video Microscope

Model L2080 video microscope equipped with CMOS camera system,with achromantic objectives and wide field eyepieces.Providing clear image and wide view field.It can be broadly applied in biology,medicine,agriculture area.It is the ideal tool to medical treatment,teaching and research institutes.

Feature:

1) With wide field eyepieces and plan achromatic objectives, the field of view is widely and clear.

2) Built-in color CCD sensor and video output, CMOS device:1/3",resolution:380lines,video out:1Vp-p75 Ohm,PAL/NTSC, color.

3) Coaxial coarse.fine focus system with tension adjustable,limited stopper,the minimum division is 0.002mm.

4) With wide field eyepieces and high quality achromantic objectives,illumination with 6V20W halogen lamp,adjustable brightness.

Specification:

Model	L2080A
Eyepiece	WF10X(Ø20mm)
Objective	Plan achromatic PL 4X/0.10
	Plan achromatic PL 10X/0.25
	Plan achromatic PL 40X/0.65(Spring)
	Plan achromatic PL 100X/1.25(Spring, oil)
Video trinocular	Built-in clear color 1/3" CCD sensor, horizontal resolution:520TV lines
	White Balance: Automatic, Color. Video output: 1Vp-p/75ΩNTSC/PAL(optional). Power supply adapter:12V DC
Focus system	Coaxial coarse/fine focus, with tensional adjustable and up stop, minimum division of fine focusing: 2μm.
Nosepiece	Quadruple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:160mmX140mm, Move range: 75mmX50mm)
Abbe condenser	N.A.1.25 Rack & pinion adjustable
Filter	Blue filter
	Frosted filter
Collector	With field diagram for halogen lamp
Light source	6V 20W halogen lamp with brightness control
Attachment	Video cable, length: 1.8M

Optional Accessories:

Name	Sort/Technique parameter
Eyepiece	Wide field WF16X(Ø11mm)
	Dividing 10X(Ø20mm) 0.1mm/Div
Objective	Plan achromatic PL 20X/0.40
Nosepiece	Quintuple (Backward ball bearing inner locating)
Filter	Green filter
	Yellow filter

XSZ Series Digital Microscope

XSZ-146NS   XSZ-139NS   XSZ-137NS   XSZ-135NS   XSZ-120NS

The digital microscope is the innovation of microscope. It is broke the functional high point of microscope and created an epoch in microscopy! Through redesigning the light path of microscope, establishing the CMOS sensors into the trinocular tube of microscope head, receiving the image through CMOS, then sent to the computer in the form of digital signal, and re-produced image in real on the computer monitor. Digital technology applied in microscope, brought the much wide application of the microscope. The specially developed image measurement software for digital microscope makes the image clear at a glance for the users. The displayed image on the computer monitor is increase hundred or thousand times than the image you see in the eyepiece, and this makes the observation of the specimens much

Specification:

Specification		XSZ-148NS	XSZ-139NS	XSZ-137NS	XSZ-135NS	XSZ-120NS
		Model				
Viewing head	Compensation Free 1.3Mega pixels CMOS Digital Binocular Head .Inclined at 30° (55~75mm)			•		
Eyepiece	WF10X/ 18mm			•	•	•
	WF10X/ 22mm	•	•			
Objective	Achromatic objective: Objective:4X,10X,40X(S),100X(S)Oil			•	•	•
	Infinity Achromatic objective: 4X,10X,40X(S),100X(S)Oil	•	•			
Condenser	N. A.1.25 Abbe condenser with iris diaphragm & filter			•		
Focusing	Coaxial coarse & fine focusing adjustment, Fine focusing scale value 0.002mm			•		
Collector	High brightnessStationary illumination			•		
Light source	Halogen bulb 6V/20W.AC 85V-230V, Adjustable brightness			•		
Compact Disc	Driver software (Suitable for Windows Xp/Vista), Professional Software for digital microscope (Image preview, Measurement, Image process), Operation Manual for Installing driver and software.					
Optional Accessory	Eyepiece: WF16X, WF20X					
	Objectives: 20X, 60X(S)					
	Plan Objectives: 4X, 10X, 20X, 40X(S), 60X(S), 100X(S, Oil)					
	Infinity Plan Objective: 4X, 10X, 20X, 40X(S), 60X(S), 100X(S, Oil)					
	CMOS: 2.0 Mega, 3.0 Mega, 5.0 Mega					
	Compensation Free Binocular & Trinocular Head (48mm-75mm)					

XSZ-152S   XSZ-152SE   XSZ-146S   XSZ-148S

Model XSZ-152 Digital Microscope is a reformation of microscope .It breaks through the utmost of the functions of normal microscope and initiates an epoch in micro technology! Through installing CMOS transmitting it to computer by digital technology being applied in the microscope enlarges the application range of microscopes.

The image measuring software which is specially developed for digital microscope makes the user observe the image data more clearly .The image displayed on the screen of computer can be enlarged hundreds times more than the one observed by eyepiece .That makes you observe the specimen more clearly and easily.

Specification:

Specification		XSZ-152S	XSZ-152SE	XSZ-146S	XSZ-148S
		Model			
Viewing head	0.3Mega pixels CMOS Digital Monocular Head	○			
	1.3Mega pixels CMOS Digital Monocular Head	•			
	0.3Mega pixels CMOS Digital Compensation Free Binocular Head .Inclined at 30°		○	○	○
	1.3Mega pixels CMOS Digital Compensation Free Binocular Head .Inclined at 30°		•	•	•
Interpupillary Distance	55mm -75mm		•	•	•
Eyepiece	WF10X/ 18mm	•	•	•	•
	WF10X/ 22mm			O	O
Objective	Achromatic objective: objective:4X,10X,40X(S),100X(S)Oil	•	•	•	•
	Infinity plan objective: 4X,10X,40X(S),100X(S)Oil			O	O
Condenser	N. A.1.25 Abbe condenser with iris diaphragm&filter	•	•	•	•
Focusing	Coaxial coarse&fine focusing adjustment with rack and pinion mechanism Fine focusing scale value 0.002mm	•	•	•	•
Collector	High brightness light collector	•	•	•	•
Light source	Halogen bulb 6V/20W.AC 85V-230V, Adjustable brightness	•	•	•	•
Optional Accessory	Eyepiece: WF16X, WF20X				
	Objectives: 20X, 60X(S)				
	Plan Objectives: 4X, 10X, 20X, 40X(S), 60X(S), 100X(S, Oil)				
	Infinity Plan Objective: 4X, 10X, 20X, 40X(S), 60X(S), 100X(S, Oil)				
	CMOS: 2.0 Mega, 3.0 Mega, 5.0 Mega				
	Compensation Free Binocular & Trinocular Head (48mm-75mm)				

* Mark ● standard outfit. Mark: ○ optional parts.

HC-790 series digital biological microscopes

HC-790 series digital biological microscopes are equipped with digital monocular, achromatic objectives and wide field eyepieces. They provide clear image and convenience operation. They can observe and display dynamic micro image at the same time. They can be used for biology, medicine, agriculture and industry area widely. They are the ideal instrument in medical treatment, teaching demonstration and scientific research.

Features:
* With wide field eyepieces and achromatic objectives, the field of view is clear.
* Coaxial coarse/fine focus system. Minimum division of fine focusing: 4µm.
* High brightness white LED lamp transmission illumination.
* Integrated clear color CMOS camera and USB output.

HC-790B
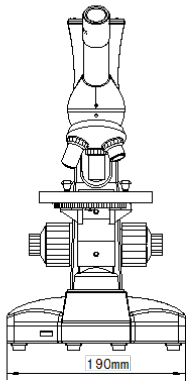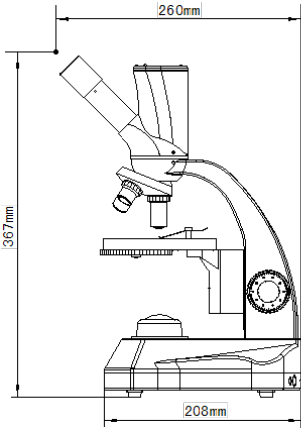
HC-790A

Spec:

Model	HC-790A	HC-790B
Eyepiece	WF10X(Φ18mm)	
Objective	Achromatic 4X/0.10	Achromatic 4X/0.10
	Achromatic 10X/0.25	Achromatic 10X/0.25
	Achromatic 40X/0.65(Spring)	Achromatic 40X/0.65 (Spring)
		Achromatic100X/1.25 (Spring oil)
Digital monocular	Built-in clear color CMOS sensor ,0.3 Million pixels, 640*480(UXGA), USB1.1	Built-in clear color CMOS sensor ,1.3 Million pixels, 1280*1024(UXGA), USB2.0
	System requirement: Windows 2000 @SP4 / Windows XP@ SP2	System requirement: Windows 2000@SP4 / Windows XP@ SP2/ Windows Vista
Nosepiece	Triple(Frontward ball bearing outer locating)	Quadruple (Frontward ball bearing outer locating)
Focus system	Coaxial coarse/fine focus system. Minimum division of fine focusing: 4µm	
Stage	Fixed(Size:120mmX120mm, With five holes fixed iris diaphragm)	Double-layer mechanical, size:125mmX115mm, move range:70mmX30mm
Abbe condenser	--	Rack &pinion adjustment
Collector	For LED lamp	
Light source	High brightness white LED lamp	

Option parts:

Name	Sort/Technique parameter	
Eyepiece	Wide field WF16X(Φ11mm)	
	Point 10X(Φ18mm)	
Stage	Fixed(Size:120mmX120mm, With single lens and iris diaphragm)	
	Fixed(Size:120mmX120mm, with slide moving holder and Abbe condenser)	
Filter	Blue filter	
	Green filter	
	Yellow filter	
	Frosted filter	
Collector	For Fluorescent and Halogen lamp	
	For Incandescent lamp	
Light source	High brightness white LED lamp	With adapter
	High brightness white LED lamp	With adapter and charge batteries
	Halogen lamp	12V 20W
	Fluorescent lamp	110V/220V, 5W Can be choose
	Incandescent lamp	220V/110V, 20W Can be choose
Adapter	Input: 230V〔8329.3K〕 Rxwsxw<Y 833p D	
For LED illumination)	Input: 110V〔8329.3K〕 Rxwsxw<Y 833p D	

XSZ-510 Series Multi-viewing Microscope

XSZ-N204

XSZ-N304

XSZ-N510

The microscope is equipped with five heads for five persons observing at the same time.

Specification:

| Item	Desc.	XSZ-N204	XSZ-N304	XSZ-510
Viewing Head	Sliding Binocular Head, Inclined at 45°	2 Pcs	1 Pc	5 Pcs
	Monocular Head, Inclined at 45°		2 Pcs	
Eyepiece	Wide Field Eyepiece WF10*	4 Pcs	4 Pcs	10 Pcs
Nosepiece	Quadruple Nosepiece	S	S	S
Objective	Achromatic Objective 4*, 10*, 40*, 100*	S	S	S
Condenser	Abbe Condenser NA1.25	S	S	S
Focusing	Coaxial Coarse & Fine Focus Adjustment, Fine Division 0.002mm	S	S	S
Stage	Double Layers Mechanical Stage 140*140mm / 75*50mm	S	S	
	Plain Stage 140*140mm / 75*50mm			S
Illumination	Halogen Lamp 6V/ 20W	S	S	
	Halogen Lamp 24V/ 100W			S
Pointer	Green LED Pointer , Brightness Adjustable			S
Note: "S" Standard Outfit, "O" is Optional				

HN-NLCD-307B LCD digital microscope

* HN-NLCD-307B LCD microscope is a new generation microscope with android OS, just like a tablet.
* Support Wifi wireless and Bluetooth, it's easy to extend the application.
* With 8 Inch IPS LCD screen, A7 dual core 1.6G processor, support for 5 point touch, HDMI video output and SD card expansion. It's easy to use and can be widely used in various optical micro fields, such as teaching, researching, electronic checking and so on.

Digital part	3.0 Mega Pixels CMOS chip
	Support Wifi and Bluetooth
Viewing Head	Compensation Free Binocular head, 30 Deg inclined, Interpupillary 52~75mm
Eyepiece	Wide Field eyepiece 10X/18
Objective	Infinite Semi-Plan Achtomatic Objective 4X,10X,40X,100X
Stage	Double layers Mechanical Stage 140*140mm, move range 75*50mm
Condenser	Sliding-in centerable condenser NA 1.25
Illumination	6V/20W Halogen Lamp illumination, adjustable brightness (LED lamp is optional)
LCD Screen	8 Inch TFT Touching Screen
Output	USB2.0, Mini USB, HDMI
OS	Android 4.2.2
Software	Touchscope
SD Card	Support SD Card
Mouse	Support (Optional)
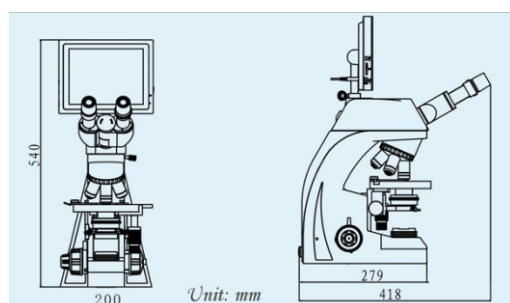
LCD Display Monitor	Camera: 2.0MP CMOS Chip, Resolution 1600*1200
	Display Monitor: 3.6" TFT in focus display
	Resolution: 960*240
	Memory: 128MB
	USB Line: USB2.0 MINI
	Exterior Memory: SD
	Digital Focal Variation: 8X
	Power: DC-5V, 1A
Microscope	Total Magnification: 40X ~ 400X
	Eyepiece: WF10X LED Display Monitor
	Objectives: 4X, 10X, 40X(s)
	Eyepiece Tube: Monocular 45 degree Inclined Tube Rotatable 360 degree
	Lighting System: Top and Bottom Light, LED Light
	Working Distance: 27mm
	Coarse Movement Distance: 13mm
	Working Area: 90mm * 90mm with mobile foot
	Condenser: 0.65 condenser, pulling plate light bar

SP-45LCD LCD digital microscope

With 3 functions of imaging, processing and transmitting, the new digital microscope camera can be combined with any microscope perfectly, just insert it into the tube derectly.
With HD pixels and multifunctional image measurement software, user can observe each detail of specimen.

It can be widely used in many fields, such as teaching, researching, medical, etc, especially suitable for academic exchanges and demonstration.

Digital demonstrator	7" LCD Screen with resolution 480*480
	Dia.23.2mm international standard adapter
	Digital camera with resolution of 0.4MP (720*576)
Software	Scopeimage plus (for XP, win7 and Vista)(Optional)
TV cable	RCA Cable (Optional)
Video Capture Card	Easy CAP DC60 (Optional)

XSP Digital LCD Microscope LCD digital

XSP-116S   XSZ-167S

The digital LCD biological microscope is a new high-tech product which combined with professional digital imaging technology,advanced photo-electronic transformation technology and good light microscopy, it created a epoch in microscopy.

It is ideal equipment for researching department like biology, histology, cytology and medicinal chemistry.

The digital LCD biological microscope is also used in scientific research, college & university, medical treatment, epidemic prevention and farming & stock raising, etc.

Spec:

Spec	XSP-116S	XSZ-167S	XSP-116SP	XSZ-167SP
Viewing Head	5.6 Inches LCD Viewing head			
Objective	Achromatic 4X,10X,40X		185 Achromatic 4X,10X,40X,100X	195 Achromatic 4X,10X,40X,100X
Stage	Plain stage with slide clips Stage Size: 90mm*90mm	Plain stage with slide clips Stage Size:110mm*120mm	Double layers mechanical stage Stage Size: 110mm*126mm Moving Range:70mm*20mm	Double layers mechanical stage Stage Size: 125mm*130mm Moving Range:70mm*30mm
Condenser	0.65Condenser with disc diaphragm		N.A.1.25 Abbe Condenser with iris diaphragm and filter	
Focusing	Coarse Focuing Adjustment		Coaxial coarse & fine focusing adjustment	
			Fine focusing scale value 0.002mm	
Light Source	LED			
Optional Accessory	Objective:20X.60X(S),4G SD Card, USB Line, AV Line			

Digital Specification:

LCD Screen	5.6inches,4:3TFT color
Magnification	15X
Screen Resolution	640*480
Chip Resolution	1600*1200
Chip Size	1/3inches
Support Mode	1.USB Computer image out2.AV image out
Image Store	SD Card(Support 8G)
Exposure Mode	AUTO Exposure
Scene Mode	Standard.Soft.Bright-colored

L3001 Epifluorescent microscope

L3001 Epifluorescent microscope is used for fluorescence microscopy and transmitted field observation. It is equipped with infinity plan achromatic objectives and wide field eyepieces, have clear picture and wide view field. It is the ideal instrument in biology, cytology, oncology, genetics, immunology etc. It also can be used in scientific research, universities, medical treatment, epidemic prevention etc.

Features:
* With wide field eyepieces and infinity plan achromatic objectives, the field of view is widely and clear.
* Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2μm
* 20W 6V halogen lamp with electronic dimmer.

Speicfication:

Model	L3001
Eyepiece	Wide field WF10X(Dia.20mm)
Objective	Infinity plan achromatic Objectives PL 4X/0.10
	Infinity plan achromatic Objectives PL 10X/0.25
	Infinity plan achromatic Objectives PL 40X/0.65(Spring)
	Infinity plan achromatic Objectives PL 100X/1.25(Spring, oil)
Eyepiece tube	Trinocular (Inclination of 30˚)
Focus system	Coaxial coarse/fine focus, with tensional adjustable and up stop minimum division of fine focusing: 2μm.
Nosepiece	Quadruple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:210mmX140mm, Move range: 75mmX50mm)
Abbe condenser	N.A.1.25 Rack & pinion adjustable
Filter	Blue filter
	Frosted filter
Collector	For halogen lamp
Light source	6V 20W Halogen lamp ,adjustable brightness
Reflected fluorescence system	Mercury lamp house 100W/DC
	Power supply unit:AV:110V or 220V
	Fluorescence filter system B exciton wavelength:420~485nm
	Fluorescence filter system G exciton wavelength:460~550nm
	Fluorescence filter system UV exciton wavelength:330~400nm
	Fluorescence filter system V exciton wavelength:395~415nm

Optional accessories:

Name	Sort/Technique parameter		
Eyepiece	WF16X(Dia.11mm)		
	Dividingγ10X(Dia.20mm),0.1mm/Div		
Objectives	Infinity plan achromatic 20X/0.40		
Eyepiece tube	Binocular(Inclination of 30˚)		
Nosepiece	Quintuple(Backward ball bearing inner locating)		
Filter	Green filter		
	Yellow filter		
Phase contrast unit	Eyepiece	Centering telescope	
	Objectives	Infinity phase contrast plan achromatic 10X/0.25 PHP	
		Infinity phase contrast plan achromatic 20X/0.40 PHP	
		Infinity phase contrast plan achromatic 40X/0.65 PHP(Spring)	
		Infinity phase contrast plan achromatic 100X/1.25 PHP(Spring, oil)	
	(PH-I) Turnplate phase contrast condenser		
	(PH-II) Turnplate phase contrast condenser		
	Flashboard phase contrast condenser		
	Pull board phase contrast condenser		
CCD adapter	0.4X		
	0.5X		
	1X		
	0.5X with dividing 0.1mm/Div		
Camera	With USB & video output		
	With USB output		
	With video output		
Digital camera adapter	CANON digital camera adapter(A610,A620,A630,A640)		
Photograph unit	2.5X/4X Change over photograph attachment with 10X viewing eyepiece		
	4X Focusing photograph attachment		
	MD Adapter		
	PK Adapter		

L1501 Reflected Fluorescence Microscope

L1501 Reflected fluorescence microscope model is used for fluorescence microscopy and transmitted bright field microscopy observation. It is the ideal instrument in sediment in sedimentary rock, inspection of impurity of semiconductor, environmental protection and microchemistry etc. It is the ideal instrument in biology, cytology, oncology, genetics, immunology etc. It also can be used in scientific research, universities, medical treatment,epidemic prevention etc.

Features:

* With wide field eyepieces and achromatic objectives, the field of view is widely and clear
* Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2μm
* 6Volt 20Watt Halogen lamp with brightness control

Specification:

Model	L1501
Eyepiece	Wide field WF10X(Ø18mm)
Objective	Achromatic 4X/0.10
	Achromatic 10X/0.25
	Achromatic 100X/1.25(Spring, oil)
	Fluorescence 25X/0.65
Eyepiece tube	Trinocular (inclination of 30˚)
Focus system	Coaxial coarse/fine focus, with tension adjustable and up stop, minimum division of fine focusing: 2μm.
Nosepiece	Quadruple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:135mmX125mm, Move range: 75mmX35mm)
Abbe condenser	N.A.1.25 Rack & pinion adjustable
Filter	Blue filter
	Frosted filter
Collector	For halogen lamp
Light source	6V 20W Halogen lamp with brightness control.
Reflected fluorescence system	Mercury lamp house 100W/DC
	Power supply unit:AV:110V or 220V
	Fluorescence filter systemчB exciton wavelength:420~485nm
	Fluorescence filter systemчG exciton wavelength:460~550nm

Optional Accessories:

Name	Sort/Technique parameter		
Eyepiece	Wide field WF16X(Ɩ 11mm)		
	10X dividing eyepiece 0.1mm/Div		
Objective	Fluorescence objectives FL 40X/1.00ч(Spring, Glycerin)		
	Fluorescence objectives FL 100X/1.25 (Spring, Glycerin)		
Nosepiece	Quintuple(Backward ball bearing inner locating)		
Filter	Green filter		
	Yellow filter		
Fluorescence power supply	100W fluorescence power supply(Wide voltage range and constant power and calculagraph)		
Reflected fluorescence system	Fluorescence filter systemчUV exciton wavelength:330~400nm		
	Fluorescence filter systemчV exciton wavelength:395~415nm		
Phase contrast unit	Eyepiece	Centering telescope	
	Objectives	Phase contrast plan achromatic 10X/0.25 PHP	
		Phase contrast plan achromatic 20X/0.40 PHP	
		Phase contrast plan achromatic 40X/0.65 PHP(Spring)	
		Phase contrast plan achromatic 100X/1.25 PHP(Spring, oil)	
	(PH-1) Turnplate phase contrast condenser		
	(PH-2) Turnplate phase contrast condenser		
	Flashboard phase contrast condenser		
	Pull board phase contrast condenser		
CCD adapter	0.4X		
	0.5X		
	1X		
	0.5X with dividing 0.1mm/Div		
Camera	DV-1(With USB & video output)		
	DV-2(With USB output)		
	DV-3(With video output)		
Digital camera adapter	CANON digital camera adapter(A610,A620,A630,A640)		
Photograph unit	2.5X/4X Change over photograph attachment with 10X viewing eyepiece		
	4X Focusing photograph attachment		
	MD Adapter		
	PK Adapter		

L2001 Relected fluorescence microscope

L2001 series reflected fluorescence microscopes are used for fluorescence microscopy and transmitted bright field observation. They are the ideal instruments in biology, cytology, oncology, geneticist, immunology etc. It is the ideal instrument in biology, cytology, oncology, genetics, immunology etc. It also can be used in scientific research, universities, medical treatment, epidemic prevention etc.

Features:
* With wide field eyepieces, plan achromatic objectives and fluorescence objectives, the field of view is widely and clear.
* Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2μm.
* 6V 20W halogen lamp transmission illumination with brightness control. 100W high voltage mercury lamp, with outside power supply unit.

Specification:

Model	L2001A	L2001B
Eyepiece	Wide field WF10X(↳20mm)	
Objective	Plan achromatic objectives PL 4X/0.10	Plan achromatic objectives PL 4X/0.10
	Plan achromatic objectives PL 10X/0.25	Plan achromatic objectives PL 10X/0.25
	Plan achromatic objectives PL 40X/0.65(Spring)	Plan achromatic objectives PL 20X/0.40
	Plan achromatic objectives PL 100X/1.25(Spring, oil)	Plan achromatic objectives PL 40X/0.65(Spring)
		Plan achromatic objectives PL 100X/1.25(Spring, oil)
	Fluorescence objectives FL 25X/0.65	
	Fluorescence objectives FL 40X/1.00ɥ(Spring, Glycerin)	
Eyepiece tube	Trinocular (Inclination of 30ﾟ)	
Focus system	Coaxial coarse/fine focus, with tensional adjustable and up stop minimum division of fine focusing: 2ëm.	
Nosepiece	Quadruple(Backward ball bearing inner locating)	Quintuple (Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:160mmX140mm, Move range: 75mm*50mm)	
Abbe condenser	N.A.1.25 Rack & pinion adjustable	
Filter	Blue filter	
	Frosted filter	
Collector	For halogen lamp	
Light source	6V 20W Halogen lamp with brightness control	
Reflected fluorescence system	Mercury lamp house 100W/DC	
	Power supply unit:AV:110V or 220V	
	Fluorescence filter systemɥB exciton wavelength:420~485nm	
	Fluorescence filter systemɥG exciton wavelength:460~550nm	

Optional accessories:

Name	Sort/Technique parameter	
Eyepiece	Wide fieldɥWF16X(↳11mm)	
	Dividingɥ10X(↳20mm),0.1mm/Div	
Objective	Plan achromatic objectives PL 5X/0.12	
	Fluorescence objectives FL 100X/1.25 (Spring, Glycerin)	
Filter	Green filter	
	Yellow filter	
Fluorescence power supply	100W fluorescence power supply(Wide voltage range and constant power and calculagraph)	
Reflected fluorescence system	Fluorescence filter systemɥUV exciton wavelength:330~400nm	
	Fluorescence filter systemɥV exciton wavelength:395~415nm	
Phase contrast unit	Eyepiece	Centering telescope
	Objectives	Phase contrast plan achromatic 10X/0.25 PHP
		Phase contrast plan achromatic 20X/0.40 PHP
		Phase contrast plan achromatic 40X/0.65 PHP(Spring)
		Phase contrast plan achromatic 100X/1.25 PHP(Spring, oil)
	(PH-I) Turnplate phase contrast condenser	
	(PH-II) Turnplate phase contrast condenser	
	Flashboard phase contrast condenser	
	Pull board phase contrast condenser	
CCD adapter	0.4X	
	0.5X	
	1X	
	0.5X with dividing 0.1mm/Div	
Camera	DV-1(With USB & video output)	
	DV-2(With USB output)	
	DV-3(With video output)	
Digital camera adapter	CANON digital camera adapter(A610,A620,A630,A640)	
Photograph unit	2.5X/4X Change over photograph attachment with 10X viewing eyepiece	
	4X Focusing photograph attachment	
	MD Adapter	
	PK Adapter	

XDS-1 Inverted Microscope

XDS-1 Inverted microscope is equipped with wide field eyepieces, long working distance plan achromatic objectives, long working distance condenser and phase contrast unit.

Can be observed transparent and unfinished living specimen in culture bottle or culture utensil. It is the ideal instrument suitable for research of living specimen structure, liquid, deposits and so on. It also can be used in research institutes, universities, medical treatment, agriculture and animal husbandry etc.

XDS-1

Features:

* Equipped with wide field eyepieces, long working distance plan achromatic objectives.
* Equipped with phase contrast unit, include long working distance condenser, phase contrast objective and centering telescope.
* Coaxial coarse/fine focus system with tensional adjustable and up stop, minimum division of fine focusing: 2μm
* 6V 20W halogen lamp with brightness control

Specification:

Model	XDS-1
Eyepiece	Wide field WF10X(Φ20mm)
Objective	Long working distance plan achromatic PL L 10X/0.25
	Long working distance plan achromatic PL L 25X/0.40
	Long working distance plan achromatic PL L 40X/0.60
	Long working distance plan achromatic phase contrast objective PL L 10X/0.25 PHP
Eyepiece tube	Trinocular (Inclination of 30δ, 100% image light for photography capable)
Focus system	Coaxial coarse/fine focus, with tensional adjustable and up stop minimum division of fine focusing: 2μm.
Nosepiece	Quadruple(Ball bearing inner locating)
Stage	Double layer mechanical(Size200mmX152mm,moving range:75mmX30mm)
Shelf of specimen	Match to install č 68mm or 77mmX33mm culture utensil
	Match to install č 68mm culture utensil
Filter	Blue filter
	Green filter
	Frosted filter
Impellent style phase contrast unit	Centering telescope
	10X Impellent style phase plate
	Condenser Rack & pinion adjustable, NA=0.4,working distance: 30mm
Light source	6V 20W Halogen lamp with brightness control.

XDS-2 Inverted microscope

XDS-2 Inverted microscope is equipped with wide field eyepieces, long working distance plan achromatic objectives and very long working distance condenser and phase contrast unit. It can be observed transparent and unfinished living specimen in culture bottle or culture utensil. It is the ideal instrument suitable for research of living specimen structure, liquid, deposits and so on. It also can be used in research institutes, universities, medical treatment, agriculture and animal husbandry, etc.

Features:

* Equipped with wide field eyepiece, long working distance plan achromatic objectives.
* Equipped with phase contrast unit, include very long working distance condenser, phase contrast objective and centering telescope.
* Coaxial coarse/fine focus system with tensional adjustable and up stop, minimum division of fine focusing: 2μm.
* 6V30W halogen lamp with brightness control.

XDS-2

Specification:

Model	XDS-2
Eyepiece	Wide field WF10X(Ø20mm)
Objective	Long working distance plan achromatic PL L 10X/0.25
	Long working distance plan achromatic PL L 25X/0.40
	Long working distance plan achromatic PL L 40X/0.60
	Long working distance plan achromatic phase contrast objective PL L 10X/0.25 PHP2
Eyepiece tube	Trinocular (Inclination of 30δ, 100% image light for photography capable)
Focus system	Coaxial coarse/fine focus, with tensional adjustable and up stop minimum division of fine focusing: 2μm.
Nosepiece	Quadruple(Ball bearing inner locating)
Stage	Double layer mechanical(Size:224mmX208mm,moving range:112mmX79mm)
Shelf of specimen	Match to install Dia.68mm or 77mmX29mm culture utensil
	Match to install 82mmX57mm culture utensil
	Match to install 128mmX85mm 96 holes culture utensil
Filter	Blue filter
	Green filter
	Frosted filter
Sliding phase contrast unit	Centering telescope
	10X Sliding phase plate
	Condenser Rack & pinion adjustable, NA=0.4,working distance: 50mm
Light source	6V 30W Halogen lamp with brightness control.

XDY-1 Inverted & Reflected Fluorescence Microscopes

XDY-1 Inverted & Reflected Fluorescence Microscopes is composed with inverted microscope and reflected fluorescence microscope, equipped with long working distances plan achromatic objectives and wide field eyepieces, you can use long working distance phase contrast objectives and special long working distance condenser with phase contrast unit when inverted observation, and change the fluorescence excitation system freely. The microscope has clear image, wide field, compact framework, beautility sculpt and comfortable operation etc.

It's mainly applied to observe the living cell and tissue, liquid and deposits etc, also to observe transparent living without staining and fluorescence slice up, it is the ideal instrument for researching in biology, cells cytology, oncology, genetics, immunology etc. The microscope can be used for scientific researching, medical treatment, epidemic prevention and animal husbandry etc.

Features:

* With wide field eyepieces, Long distance plan achromatic objectives the field of view is widely and clear.
* Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2µm.
* The mechanical stage movement mechanism can be taken out.
* Equipped with phase contrast unit, include long working distance condenser, phase contrast objective and centering telescope.
* Equipped with fluorescence unit, include four group of fluorescence filter.
* 6V 30W halogen lamp transmission illumination with brightness control. 100W high voltage mercury lamp, with outside power supply unit.

XDY-1

Specification:

Model	XDY-1
Eyepiece	Wide field eyepiece WF10X(Ø20mm)
Objective	Long working distance plan achromatic objectives PL L 10X/0.25
	Long working distance plan achromatic objectives PL L 25X/0.40
	Long working distance plan achromatic objectives PL L 40X/0.60
	Long working distance plan achromatic phase contrast objective PL L 10*/0.25 PHP2
	Long working distance plan achromatic phase contrast objective PL L 25*/0.40 PHP2
	Long working distance plan achromatic phase contrast objective PL L 40*/0.60 PHP2
Eyepiece tube	Trinocular (Inclination of 30^0, 100% image light for photography capable)
Coaxial/fine focus system	with tensional adjustable and up stop, minimum division of fine focusing: 2ëm
Nosepiece	Quintuple (Ball bearing inner locating)
Stage	Double layer mechanical (Size: 224mm*208mm, moving range: 112mm*79mm)
Filter	Frosted filter
	Blue filter
	Green filter
Shelf of specimen	Match to install Ï68mm or 77mmX29mm culture utensil
	Match to install 82mmX57mm culture utensil
	Match to install 128mmX85mm 96 holes culture utensil
Reflected fluorescence system	Mercury lamp house 100W/DC
	Power supply unit:AV:110V or 220V
	Fluorescence filter system B exciton wavelength:420~485nm
	Fluorescence filter system G exciton wavelength:460~550nm
	Fluorescence filter system UV exciton wavelength:330~400nm
	Fluorescence filter system V exciton wavelength:395~415nm
Turnplate phase contrast unit	Centering telescope
	Condenser Rack & pinion adjustable, NA=0.4,working distance: 50mm

STX Mini-type Stereo Microscopes

STX

Specification:

1) Sharp stereo erect image over a wide field of view

2) Upright binocular viewing head, the interpupillary distance is between 55-75mm

3) The working distance of 2x magnification of objective is 70mm

4) Built-in incident light 3V3W/LED

5) Power 2 units of aa batteries

XTX-1 Series Stereo Microscopes

Information:

1. Sharp stereo erect image over a wide field of view.

2. Upright binocular head with locked in eyepiece. The left ocular-tube with diopter adjustment ±5dp. The interpupillary distance is between 55-75mm.

3. XTX-1 series dovetail inserted style objective with locked-in device ensure easy replacement. Objective: 1*, 2*, 3*, 4*, 6* for selection.

5. Electric apparatus has CE approval.

6. Power supply 110V/60Hz or 220V/50Hz.

7. Each set packed in styrofoam and in an inner box. Four sets in one carton.

8. Wide range of optional accessories.

XTX-1A   XTX-1B   XTX-1C

Optional accesssories:

1. Eyepiece WF5* , WF10* , WF15* , WF20*

2. Object 1* , 2* , 3* ,4* ,6*

3. Darkfield stage,Ü94.5mm

4. Jewel tweezer

5. White/black objcet plate,Ü60mm

6. White/black objcet plate,Ü60mm

7. Frosted glass object plate,Ü95mm

8. Incandescent bulb 12V/10W

9. Halogen bulb 12V/10W

10. Wooden cabinet with lock and key/Aluminium case

Specification:

Model	Eyepiece	Objective	Plate	Illumination
XTX-1A	WF10X	Inserted 2X	Black/White(Φ60)	No
XTX-1B	WF10X	Inserted 2X	Black/White(Φ60)	Incident illumination
XTX-1C	WF10X	Inserted 2X	Frosted glass (Φ95)	Incident illumination transmitted illumination

Optical Data:

| Objective | EYEPIECES | | | | | | | | Working Distance |
| | 5X | | 10X | | 15X | | 20X | | |
	Magnification	Field of View	Magnification	Field of View	Magnification	Field of View	Magnification	Field of View	
1X	5X	20.0mm	10X	20.0mm	15X	15.0mm	20X	10.0mm	57mm
2X	10X	10.0mm	20X	10.0mm	30X	7.5mm	40X	6.5mm	80mm
3X	15X	7.0mm	30X	6.7mm	45X	5.0mm	60X	4.3mm	61mm
4X	20X	5.0mm	40X	5.0mm	60X	3.7mm	80X	3.2mm	57mm
6X	30X	4.0mm	60X	3.3mm	90X	2.5mm	120X	2.1mm	66mm

XTX-2 Stereo Microscope

Information

1.Sharp stereo erect image over a wide field of view.

2.45£ inclined and 360£ rotational binocular head with locked-in eyepiece. The left ocular-tube with diopter adjustment ±5dp, The interpupillary distance is between 55-75mm.

3.Dovetail inserted style objective with locked-in device ensures easy replacement.

4.XTX-2(A,B,C)series supplied with pillar style stand.

5.Electric apparatus has CE approval.

6.Power supply 110V/60Hz or 220V/50Hz.

7.Each set packed in styrofoam and in an inner box. Four sets in one carton.

8.A wide range of optional accessories.

XTX-2A   XTX-2B   XTX-2C

Specifications:

Model	Eyepiece	Object	Plate	Illumination
XTX-2A	WF10X	Inserted 2x	Black/White(Ø60)	No
XTX-2B	WF10X	Inserted 2x	Black/White(Ø60)	Incident illumination
XTX-2C	WF10X	Inserted 2x	Frosted glass(Ⅰ·95)	Incident illumination transmitted illumination

Optional accessories:

1.Eyepiece WF5X, WF10X, WF15X, WF20X

2.Object 1X, 2X, 3X,4X,

3.Darkfield stage,Ü94.5mm

4.Jewel tweezer

5.White/black objcet plate,Ⅰ·60mm

6.White/black objcet plate,Ⅰ·60mm

7.Frosted glass object plate,Ⅰ·95mm

8.Incandescent bulb 12V/10W

9.Halogen bulb 12V/10W

10.Wooden cabinet with lock and key/Aluminium case

Optical Data:

Objective	Eyepieces								Working Distance
	5X		10X		15X		20X		
	Magnification	Field of View	Magnification	Field of View	Magnification	Field of View	Magnification	Field of View	
1X	5X	20.0mm	10X	20.0mm	15X	15.0mm	20X	10.0mm	57mm
2X	10X	10.0mm	20X	10.0mm	30X	7.5mm	40X	6.5mm	80mm
3X	15X	7.0mm	30X	6.7mm	45X	5.0mm	60X	4.3mm	61mm
4X	20X	5.0mm	40X	5.0mm	60X	3.7mm	80X	3.2mm	57mm
6X	30X	4.0mm	60X	3.3mm	90X	2.5mm	120X	2.1mm	66mm

XTX-3 Stereo Microscope

Information

1.Sharp stereo erect image over a wide field of view.

2.45£ inclined binocular head with locked-in eyepiece. The left ocular-tube with diopter adjustment ±5dp, The interpupillary distance is between 55-75mm.

3.Three kinds of 180£ rotational objective selection: 1X/2X, 1X/3X, 2X/4X

4.XTX-3(A,B,C)series supplied with pillar style stand;

5.Electric apparatus has CE approval.

6.Power supply 110V/60Hz or 220V/50Hz.

8.Each set packed in styrofoam and in an inner box. Four sets in one carton.

9.A wide range of optional accessories.

XTX-3A   XTX-3B   XTX-3C

Optional accessories:

1.Eyepiece WF5X, WF10X, WF15X, WF20X

2.Object 1X, 2X, 3X,4X,

3.Darkfield stage,Ü94.5mm

4.Jewel tweezer

5.White/black objcet plate,Ü60mm

6.White/black objcet plate,Ü60mm

7.Frosted glass object plate,Ü95mm

8.Incandescent bulb 12V/10W

9.Halogen bulb 12V/10W

10.LED

11.Ring fluorescent lighting 8W,10W

12.Wooden cabinet with lock and key/Aluminium case.

Specifications:

Model	Eyepiece	Object	Plate	Illumination
XTX-3A	WF10X	Can select: 1X/2X, 1X/3X, 2X/4X	Black/White(Ü60)	No
XTX-3B	WF10X		Black/White(Φ60)	Incident illumination
XTX-3C	WF10X		Frosted glass(Ü95)	Incident illumination transmitted illumination

Optical Data:

Objective	EYEPIECES								Working Distance
	5X		10X		15X		20X		
	Magnification	Field of View	Magnification	Field of View	Magnification	Field of View	Magnification	Field of View	
1X	5X	20.0mm	10X	20.0mm	15X	15.0mm	20X	10.0mm	57mm
2X	10X	10.0mm	20X	10.0mm	30X	7.5mm	40X	6.5mm	
1X	5X	20.0mm	10X	20.0mm	15X	15.0mm	20X	10.0m	57mm
3X	15X	7.0mm	30X	6.7mm	45X	5.0mm	60X	4.3m	
2X	10X	10.0mm	20X	10.0mm	30X	7.5mm	40X	6.5m	57mm
4X	20X	5.0mm	40X	5.0mm	60X	3.7mm	80X	3.2m	

XTX-4 Stereo Microscope

Information

1.Sharp stereo erect image over a wide field of view.

2.Upright binocular head with locked-in eyepiece. The left ocular-tube with diopter adjustment ±5dp. The interpupillary distance is between 55-75mm.

3.XTX-4(A,B,C) series supplied with pillar style stand.

4.Electric apparatus has CE approval

5.Power supply 100V/60Hz or 220V/50Hz

6.Each set packed in styrofoam and in an inner box. Four sets in one carton.

7.A wide range of optional accessories

XTX-4A   XTX-4B   XTX-4C

Optional accessories:

1.Eyepiece WF5X, WF10X, WF15X, WF20X

2.Object 1X, 2X, 3X,4X,6X

3.Darkfield stage,Ⅰ·94.5mm

4.Jewel tweezer

5.White/black objcet plate, Ⅰ·60mm

6.White/black objcet plate, Ⅰ·60mm

7.Frosted glass object plate, Ⅰ·90mm

8.Incandescent bulb 12V/10W

9.Halogen bulb 12V/10W

10Wooden cabinet with lock and key/ Aluminium case

Specification:

Model	Eyepiece	Object	Plate	Illumination
XTX-4A	WF10X	Fixed 2x	Black/White(Φ60)	No
XTX-4B	WF10X	Fixed 2x	Black/White(Φ60)	Incident illumination
XTX-4C	WF10X	Fixed 2x	Frosted glass (Ü90)	Incident illumination transmitted illumination

Optical Data:

Objective	EYEPIECES								Working Distance
	5X		10X		15X		20X		
	Magnification	Field of View	Magnification	Field of View	Magnification	Field of View	Magnification	Field of View	
1X	5X	20.0mm	10X	20.0mm	15X	15.0mm	20X	10.0mm	57mm
2X	10X	10.0mm	20X	10.0mm	30X	7.5mm	40X	6.5mm	80mm
3X	15X	7.0mm	30X	6.7mm	45X	5.0mm	60X	4.3mm	61mm
4X	20X	5.0mm	40X	5.0mm	60X	3.7mm	80X	3.2mm	57mm
6X	30X	4.0mm	60X	3.3mm	90X	2.5mm	120X	2.1mm	66mm

XTX-5 Stereo Microscope

Information

1.Sharp stereo erect image over a wide field of view.

2.45£ inclined and 360£ rotational binocular head with locked-in eyepiece. The left ocular-tube with diopter adjustment ±5dp, The interpupillary distance is between 55-75mm.

3.Three kinds of 90£ rotational objet for seletion

4.XTX-5(A,B,C)series supplied with pillar style stand; XTX-5(A,B,C)-W series supplied with arm curved style stand.

5.Electric apparatus has CE approval

6.Power supply 110V/60Hz or 220V/50Hz

7.Each set packed in styrofoam and in an inner box. Four sets in one carton.

8.A wide range of optional accessories.

XTX-5A   XTX-5B   XTX-5C

XTX-5A-W   XTX-5C-W

Optional accessories:

1.Eyepiece WF5X, WF10X, WF15X, WF20X

2.Objective 1X, 2X, 3X,4X

3.Darkfield stage,Ⅰ·94.5mm

4.Jewel tweezer

5.White/black objcet plate,Ⅰ·60mm

6.Frosted glass object plate,Ⅰ·95mm

7.Incandescent bulb 12V/10W/LED

8.Halogen bulb 12V/10W

9.Ring fluorescent lighting 8W,10W

10.Wooden cabinet with lock and key/Aluminium case.

Specification:

Model	Eyepiece	Object	Plate	Illumination
XTX-5A	WF10X	Rotated	Black/White(Φ60)	No
XTX-5B	WF10X	1X-2X	Black/White(Φ60)	Incident illumination
XTX-5C	WF10X	1X-3X	Frosted glas(Ü95)	Incident illumination
		2X-4X		transmitted illumination
XTX-5A-W	WF10X		Black/White(Φ60)	No
XTX-5C-W	WF10X		Frosted glass(Ü95)	Incident illumination transmitted illumination

Optical Data:

Objective	EYEPIECES								Working Distance
	5X		10X		15X		20X		
	Magnification	Field of view	Magnification	Field of view	Magnification	Field of view	Magnification	Field of view	
1X	5X	20.0mm	10X	20.0mm	15X	15.0mm	20X	10.0mm	76mm
2X	10X	10.0mm	20X	10.0mm	30X	7.5mm	40X	6.5mm	
1X	5X	20.0mm	10X	20.0mm	15X	15.0mm	20X	10.0m	76mm
3X	15X	7.0mm	30X	6.7mm	45X	5.0mm	60X	4.3m	
2X	10X	10.0mm	20X	10.0mm	30X	7.5mm	40X	6.5m	76mm
4X	20X	5.0mm	40X	5.0mm	60X	3.7mm	80X	3.2m	

XTX-6 Stereo Microscope

Information:

1. Sharp stereo erect image over a wide field of view.

2. 45£inclined and 360£rotational binocular head with locked-in eyepiece. The left ocular-tube with diopter adjustment –3bn* Rf c ḋ rcɟnsnġj_pᵥbgɟr_l ac gɟ ` cru ccl 33+ 75mm.

3. Three kinds of 90δ rotational objet for seletion.

4. XTX-6(A,C)series supplied with pillar style stand; XTX-6(A,C)-W series supplied with arm curved style stand.

5. Electric apparatus has CE approval

6. Power supply 110V/60Hz or 220V/50Hz

7. Each set packed in styrofoam and in an inner box. Four sets in one carton.

8. A wide range of optional accessories.

XTX-6A   XTX-6C   XTX-6A-W   XTX-6C-W

Optional accessories:

1. Eyepiece WF5X, WF10X, WF15X, WF20X

2. Objective 1X, 2X, 3X,4X,

3. Darkfield stage,ʰ 94.5mm

4. Jewel tweezer

5. White/black objcet plate,ʰ 60mm

6. Frosted glass object plate,ʰ 95mm

7. Incandescent bulb 12V/10W/LED

8. Halogen bulb 12V/10W

9. Ring fluorescent lighting 8W,10W

10. Wooden cabinet with lock and key/Aluminium case

Specifications:

Model	Eyepiece	Object	Plate	Illumination
XTX-6A	WF10X	Can select: 1X-2X 1X-3X 2X-4X	Black/White(Ø60)	No
XTX-6C	WF10X		Frosted glas(ʰ 95)È	Incident illumination transmitted illumination
XTX-6A-W	WF10X		Black/White(Ø60)	No
XTX-6C-W	WF10X		Frosted glas(ʰ 95)È	Incident illumination transmitted illumination

Optical Data:

Objective	EYEPIECES								Working Distance
	5X		10X		15X		20X		
	Magnification	Field of View	Magnification	Field of View	Magnification	Field of View	Magnification	Field of View	
1X	5X	20.0mm	10X	20.0mm	15X	15.0mm	20X	10.0mm	76mm
2X	10X	10.0mm	20X	10.0mm	30X	7.5mm	40X	6.5mm	
1X	5X	20.0mm	10X	20.0mm	15X	15.0mm	20X	10.0m	76mm
3X	15X	7.0mm	30X	6.7mm	45X	5.0mm	60X	4.3m	
2X	10X	10.0mm	20X	10.0mm	30X	7.5mm	40X	6.5m	76mm
4X	20X	5.0mm	40X	5.0mm	60X	3.7mm	80X	3.2m	

XTX-7 Stereo Microscope

Information

1. Sharp stereo erect image over a wide field of view.

2. 45£inclined and 360£ rotational binocular head with locked-in eyepiece. The left ocular-tube with diopter adjustment ±5dp, The interpupillary distance is between 55-75mm.

3. Three kinds of 90£ rotational objet for seletion: 1X/2X,1X/3X,2X/4X

4. XTX-7(A,C)series supplied with pillar style stand; XTX-7(A,B,C)-W series supplied with arm curved style stand.

5. Electric apparatus has CE approval

6. Power supply 110V/60Hz or 220V/50Hz

7. Each set packed in styrofoam and in an inner box. Four sets in one carton.

8. A wide range of optional accessories.

XTX-7A-W   XTX-7C-W

Optional accessories:

1. Eyepiece WF5*, WF10*, WF15*, WF20*

2. Objective 1X, 2X, 3X,4X,

3. Darkfield stage,ʰ 94.5mm

4. Jewel tweezer

5. White/black objcet plate,Ü60mm

6. Frosted glass object plate,Ü90mm

7. Incandescent bulb 12V/10W

8. Halogen bulb 12V/10W

9. LED

10. Ring fluorescent lighting 8W,10W

11. Wooden cabinet with lock and key/Aluminium case.

Specification:

Model	Eyepiece	Object	Plate	Illumination
XTX-7A-W	WF10X	Can select: 1X/2X, 1X/3X, 2X/4X	Frosted glass	No
XTX-7C-W	WF10X		Frosted glass	Incident illumination transmitted illumination

Optical Data:

Objective	EYEPIECES								Working Distance
	5X		10X		15X		20X		
	Magnification	Field of view	Magnification	Field of view	Magnification	Field of view	Magnification	Field of view	
1X	5X	20.0mm	10X	20.0mm	15X	15.0mm	20X	10.0mm	76mm
2X	10X	10.0mm	20X	10.0mm	30X	7.5mm	40X	6.5mm	
1X	5X	20.0mm	10X	20.0mm	15X	15.0mm	20X	10.0m	76mm
3X	15X	7.0mm	30X	6.7mm	45X	5.0mm	60X	4.3m	
2X	10X	10.0mm	20X	10.0mm	30X	7.5mm	40X	6.5m	76mm
4X	20X	5.0mm	40X	5.0mm	60X	3.7mm	80X	3.2m	

ZTX Zoom Stereo Microscope

The instrument is a kind of binocular or trinocular stereo microscope, which can zoom magnify the object and get an erect image. It can be used for educational experiment, medical research, agricultural observation, science research and also for assembling and repairing in electronic industry and other relative fields.

Featurs:

* Sharp stereo erect image over a wide field of view.

* 45⁰ inclined and 360 rotatable binocular head with locked-in eyepiece. Both ocular-tube with diopter adjustment +/- 5 dp. The interpupillary distance is between 55~75mm.

* Products have CE approval.

* Power Supply 110V/60HZ or 220V/50HZ.

* Illumination:

L1. Incident reflected halogen lamp 12V 10W; Transmitted halogen lamp 12V 10W.

L2. Incident reflected halogen lamp 12V 10W; Transmitted halogen lamp 12V 10W, brightness is adjustable.

L3. Halogen lamp 12V 10W for incident lamp and fluorescent lamp 5W for Transmitted lamp.

L4. Halogen lamp 12V 10W for incident lamp and fluorescent lamp 5W for Transmitted lamp, brightness is adjustable.

L5. Both Incident and transmitted light with LED.

Each set packed in Styrofoam and in an inner box. Two sets in one carton. The outer measurement is 0.41*0.35*0.415 (ZTX-E), 0.50*0.37*0.48 (ZTX-E-W/ZTX-3E).

ZTX-3E   ZTX-E

ZTX-E-C2   ZTX-E-W

Specification:

MODEL	Standard Eyepiece	Objective	Viewing Head	Up & Down Mechanism	Base/Working Stage
ZTX-E	SWF10X	ZOOM 1x~4x	Binocular	Pillar Style	Dia. 95mm Frosted glass
ZTX-E-W	SWF10X	ZOOM 1x~4x	Binocular	Arm curved style	Dia. 95mm Frosted glass
ZTX-3E	SWF10X	ZOOM 1x~4x	Trinocular	Pillar Style	Dia. 95mm Frosted glass
ZTX-3E-W	SWF10X	ZOOM 1x~4x	Trinocular	Arm curved style	Dia. 95mm Frosted glass
ZTX-E-C1	SWF10X	ZOOM 1x~4x	Binocular	Pillar Style	Dia. 95mm white / black working stage
ZTX-E-C2	SWF10X	ZOOM 1x~4x	Binocular	Pillar Style	Dia. 95mm Frosted glass
ZTX-G	SWF10X	ZOOM 0.75x~3.6x	Binocular	Pillar Style	Dia. 95mm Frosted glass
ZTX-G-W	SWF10X	ZOOM 0.75x~3.6x	Binocular	Arm curved style	Dia. 95mm Frosted glass
ZTX-G-C2	SWF10X	ZOOM 0.75x~3.6x	Binocular	Pillar Style	Dia. 95mm Frosted glass

Optioan accessories: 0.5X,0.75X,1.5X, 2X Auxiliary Objective;

WF5X, SWF10X, WF15X, WF20X Eyepiece; White/Black working stage

Optical Data:

Model	Eyepiece	Standard Eyepiece			Auxiliary Eyepiec							
					0.5×		0.75×		1.5×		2.0×	
		Objective	Field of View(mm)	Working Distance (mm)	Field of View(mm)	Working Distance (mm)	Field of View(mm)	Working Distance(mm)	Field of View(m m)	Working Distance(mm)	Field of View(mm)	Working Distance(mm)
ZTX-E	WF5×	1-4×	20-5	91	40-11	170	25-6.5	100	13-3.5	42	10-2.5	28
	SWF10×	1-4×	23-5.5	91	52-12	170	30-7	100	15-4.8	42	11-5.3	28
	WF15×	1-4×	15.5-4	91	36-8.5	170	21-5	100	10.5-2.5	42	8-2	28
	WF20×	1-4×	10.5-3	91	25-5.8	170	14-3.5	100	7-1.8	42	5.5-1.5	28
ZTX-G	WF5×	0.75-3.6×	26-6	86	63-13	178	32-7	96	16-4	42.5	12.5-3	25.5
	HWF10×	0.75-3.6×	28-6	86	43-14	178	32-8	96	16-4	42.5	14-3	25.5
	WF15×	0.75-3.6×	19-4.5	86	43-9.5	178	24-5.5	96	12-3	42.5	9.5-2	25.5
	WF20×	0.75-3.6×	12.5-3	86	28-6	178	16-3.5	96	8-2	42.5	6-1.5	25.5

XTD-217 Sereis Zoom Stereo Microscope

XTD-217 Series are the zoom stereo microscopes, which can magnify at object to erecting image. It use the horizontal pair knob to   vary the magnification, that make the operation very easy. The zoom objective of the main body is 0.63*-5*, the zoom ratio is 1:8.It can be equipped with 0.5*, 1.5*, 2* auxiliary objectives and 10*, 15*, 20* wide field eyepieces. The trinocular zoom stereo microscope can select CMOS electronic eyepiece, photo & CCD attachment and digital cam-era. This series microscope has character of long working distance and sharp image. Eximious contrast, large depth of field and   high resolution. it is suitable for viewing the 3D object in both natural & engineering fields, and widely used in Light   industry and Electronic industry. It can also be a standard outfit for education and scientific research depart-etc.

XTD-217   XTD-217T   XTD-217AT

Specification:

Specification		Model			
		XTD-217	XTD-217T	XTD-217A	XTD-217AT
Viewing Head	Binocular Head (55~75mm)	S		S	
	Trinocular Head (55~75mm)		S		S
Eyepiece	WF10*/23	S			
Objective	Zoom range 0.63-5X, Zoom ratio 1:8	S			
Working distance	110mm	S			
Illumination	Top Illumination:Incident Light Halogen Bulb 12V 15W	S			
	Lower Illumination: Transmision Light Halogen Bulb 12V 15W	S			
Optional Accessory: Eyepiece: WF10X/25, WF15*/17, WF20*/12.5 Ring Fluorescent Lamp 1.3 Mega, 2.0 Mega, 3.0 Mega, 5.0 Mega Pixels CMOS Digital Camera Eyepiece Upper and lower LED ligh, 12V/5W Auxiliary Objectives: 0.5*, 2* Photograph attachment and CCD device 0.5*, 0.57*, 0.75* CCD Camera, Colour 1/3" High resolution 520 TV lines					
Mark "S" standard outfit.					

Digital Stereo Microscope

XTX-6S, XTX-3S Series Microscope can provide high resolution and sharp image. With build-in CMOS,it's very easy for demonstration and analysis. The instruments are widely used in educational field and electronical industry.

Specification List:

Specification List	Specification	Model	
		XTX-6S-W	ZTX-3S-C2
Viewing Head	Inclined Binocular Head	S	S
	Head 360 Degree Rotatable	S	S
	Built-in 1.3M Pixel CMOS(3M Pixel is optional)	S	S
Eyepiece	WF5*/Dia.16	O	O
	WF10*/Dia.20	S	
	WF15*/Dia.15	O	O
	WF20*/Dia.10	O	O
	SWF10*/Dia.23	O	O
	HWF10*/Dia.22		S
Objective	2*/4*	S	
	1*/2*, 1*/3*	O	
	Zoom magnification 1*~4*		S
Focusing	Coarse Focus Adjustment System	S	S
	Coaxial Coarse & Fine Focus Adjustment System		O
Incident light	Halogen lamp 12V/10W	S	S
	LED lamp 3.2V20MA)*3	O	
	LED lamp 3.2V1W	O	O
Transmitted light	Halogen lamp 12V/10W	S	S
	LED lamp 3.2V60MA)	O	O
Brightness adjustable system		S	S

Mark:"S" Standard "O" Optional

ZTX-3S-C2

XTX-6S-W

SZ845 Series Zoom Stereo Microscope

Proudcts Details:

The instrument is a kind of binocular or trinocular stereo microscope,which can zoom magnify the micro object and get an erect image.It can be used for educational expriment,medical research,agricultural ,science reserarch and also for inspection,assembling and repairing in electronic industry and other relative fields

Features:

1.Sharp stereo erect image over a wide field of view.

2.45°inclined and 360°rotatable binocular head.

3.The interpupillary distance is btween 55-78mm.Both oculr-tube±with diopter adjustment ±5dp.

4.Power supply 90V~240v.

5.Product has CE approval.

Sz845

Sz845-3

Model	Eyepiece	Standard Objective		
		Objective	Field of view(mm)	Working distance(mm)
SZ845	HWF10X	0.64X-5.2X	2.3X-2.8X	115
	HWF15X	0.64X-5.2X	15.3X-1.9X	115
	HWF20X	0.64X-5.2X	11.5X-1.4X	115

Model	Auxiliary Objective							
	0.5X		0.7X		1.5X		2.0X	
	Field of View(mm)	Working distance(mm)	Field of View(mm)	Working distance(mm)	Field of View(mm)	Working distance(mm)	Field of View(mm)	Working distance(mm)
SZ845	46~5.6	205	32.8~4	150	15.3~1.9	61	11.5~1.4	43.5
	30.6~3.8	205	21.8~2.7	150	10.2~1.3	61	7.65~0.95	43.5
	23~2.8	205	16.4~2	150	7.7~0.9	61	5.75~0.7	43.5

LDX Series Zoom Stereo Microscope

LDX-W

LDX-W-3

L1. Incident reflected halogen lamp 12V10W; Transmitted halogen lamp 12V10W.

L2. Incident reflected halogen lamp 12V10W; Transmitted halogen lamp 12V10W; Brightness is adjustable.

L3. Halogen lamp 12V/10W for incident lamp and fluorescent lamp 5W for transmitted lamp.

L4. Halogen lamp 12V/10W for incident lamp and fluorescent lamp 5W for transmitted lamp. Brightness is adjustable.

L5. Both incident and transmitted light with LED.

Eyepiece	Objective	Standard Objective	Auxiliary Objective		
		0.75X~5X	0.5X	1.5X	2.0X
HWF5X	Total magnification	3.75X~25X	1.875X~12.5X	5.625X~37.5X	7.5X~50X
	Field of View	Ø 31~Ø 4.6	Ø 61.3~Ø 9.2	Ø 22~Ø 3.3	Ø 16~Ø 2.5
HWF10X	Total magnification	7.5X~50X	3.75X~25X	11.25X~75X	15X~100X
	Field of View	Ø 33~Ø 5	Ø 65~Ø 10	Ø 22~Ø 3.3	Ø 16~Ø 2.5
HWF15X	Total magnification	11.25X~75X	5.625X~37.5X	16.875X~112.5X	22.5X~150X
	Field of View	Ø 24~Ø 4.2	Ø 48~Ø 8.5	Ø 16~Ø 2.8	Ø 12~Ø 2
HWF20X	Total magnification	15X~100X	7.5X~50X	22.5X~150X	30X~200X
	Field of View	Ø 20~Ø 3.5	Ø 40~Ø 7	Ø 13.3~Ø 2.3	Ø 10~Ø 1.8
HWF25X	Total magnification	18.75X~125X	9.375X~62.5X	28.125X~187.5X	37.5X~255X
	Field of View	Ø 15.8~Ø 2.4	Ø 31.5~Ø 4.8	Ø 10.5~Ø 1.6	Ø 7.9~Ø 1.2
Working distance		113mm	220mm	50mm	35mm

DSM/DTX Series Step Stereo Microscope

DWM

DWMW

DTX10-W

Information
1. Sharp stereo erect image over a wide field of view
2.45°inclined and 360°rotatable binocular head with locked-in eyepiece.The left and right ocular-tube with diopter adjustment±5dp
3.Three kind of 90°1×/2×,1×/3×,2×/4×, DTX10/DTX20 is with knob rotation.
4. Power supply 110V/60HZ or 220V/50HZ
5. Product has CE approval
6. liiumination:
L1: Incident reflected halogen light 12V 10W; Transmitted halogen light 12V 10W, brightness is adjustalbe.
L2: Both incident and transmitted light with LED

Model	Eyepiece	Objective	Up & down Mechanism	Base/Working Stage
DSM			Arm curved style	Ø95mm White/Black working stage
				Fan plain base
DSM-W			Arm curved style	Ø95mm White/Black working stage
				Fan plain base
DTX10-W			Arm curved style	95mm White/Black working stage
	SWF10×	1X-2X, 1X~3X, 2X~4X		Fan plain base
DTX11-W			Arm curved style	95mm White/Black working stage
				Fan plain base
DTX20-W			Arm curved style	95mm White/Black working stage
				Fan high base
DTX21			Pillar style	95mm Frosted glass
				Fan high base
Optional accessories WF5x, SWF10x, WF15x, WF20× Epepiece; Ring light				

Objective Magnification	Eyepiece								Wroking Distance (mm)
	WF5X		SWF10X		WF15X		WF20X		
	Magnification	Field of View (mm)	Magnification	Field of View (mm)	Magnification	Field of View (mm)	Magnification	Field of View (mm)	
1×	5×	20.0	10×	22.0	15×	15.0	20×	10.0	100
2×	10×	10.0	20×	11.0	30×	7.5	40×	6.5	
1×	5×	20.0	10×	22.0	15×	15.0	20×	10.0	100
3×	15×	7.0	15×	7.3	45×	5.0	60×	4.3	
2×	10×	10.0	20×	11.0	30×	7.5	40×	6.5	100
4×	20×	5.0	40×	5.5	60×	3.7	80×	3.2	

DTX11-W

DTX20-W

DTX21

L2020 Reflected And Transmitted Metallurgical Microscope

L2020 reflected and transmitted metallurgical microscope is equipped with reflected and transmitted illuminator system, plan achromatic objectives with long working distance (no cover glass), wide field eyepieces and set polarizer device in trinocular. They can obtain clean image in the wide visual field, can be broadly applied in mine, colleges and scientific research department to observe internal configuration of material.

Features:
* With plan achromatic objectives with long working distance (no cover glass) and wide-field eyepieces, can get clear pictures and wide view field.
* Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2μm.
* Utilize reflected &transmitted light mix illumination; you can descry the special effect in some object.
* 6V 20W Halogen lamp, adjustable control.
* Trinocular, can switch to observe normally or to observe the Polarize, can send 100% of light to the binocular eyepieces or to the top port.

Specification:

Model	L2020A
Eyepiece	Wide field WF10X(Ø18mm)
Objective	Plan achromatic objectives with long working distance (no cover glass) PL 5X/0.12
	Plan achromatic objectives with long working distance (no cover glass)ЧPL L10X/0.25
	Plan achromatic objectives with long working distance (no cover glass) PL L40X/0.60
	Plan achromatic objectives with long working distance (no cover glass) PL L60X/0.75ч(Spring)
Eyepieces tube	Trinocular, Inclination of 30°, (Analyzer with field diaphragm to switch)
Vertical illumination unit	6V 20w, halogen lamp, adjustable control.
	Vertical illumination with field diaphragm, aperture diaphragm and polarizer,(Y,B,G)filter and frosted filter
Focus system	Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2μm.
Nosepiece	Quadruple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:160mmX140mm,movingrange:75mm*50mm)
Vertical illumination unit	Abbe condenserчNA.1.25чRack & pinion adjustable
	(B,G)filter and Frosted filter
	Collector for halogen lamp
	6V 20w halogen lamp, adjustable control.

L3230BD Upright Metallurgical Microscope

L3230BD upright bight or dark transmitted or reflected metallurgical microscope is a kind of multifunction industry inspecting microscope. It is equipped with bright or dark field objectives, wide field eyepieces and integrated polarization observation device, the Kohler illuminator is used in the transmitted and reflected illuminating system, the whole field is clear and uniformity. It is suitable for inspecting, such as semiconductor silicon wafer, LCD floor plate, electrocircuit plate, solid powder and all kind of industry sample that translucent or opaque. It is the ideal instruments in research work in biology, metallography, mineralogy, precision engineering,electronics, etc.

Features:
* Adopt UIS optical system and modularization function design.
* Long W.D bright or dark field plan objectives (no cover glass), the field is wide and clear.
* Wide-field plan eyepieces: field number Φ22mm.
* Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2μm.
* Maximal movement of stage is about 30mm.
* Integrated polarization observation device, the polarizer can be circumrotated for 360°.
* The reflecting illuminator is 12V 50W halogen lamp and the lamp box cover can be revolved, replacing lamp facility and safety. The transmitted illuminator is 12V 30W halogen lamp and adding radiator.
* Trinocular can be observation for eyepieces and microphotography in 100% light flux, suits for dark field microphotography.

Standard Configuration:

Model	L3230BD
Eyepieceч	Wide field WF10X(field number:Φ22mm)
Objective	Infinity plan achromatic bright or dark field objective with long W.D (no cover glass) PL L5X/0.12 B.D, W.D:9.70mm
	Infinity plan achromatic bright or dark field objective with long W.D (no cover glass) PL L10X/0.25 B.D, W.D:3.73mm
	Infinity plan achromatic bright or dark field objective with long W.D (no cover glass) PL L20X/0.40 B.D, W.D:7.23mm
	Infinity plan achromatic bright or dark field objective with long W.D (no cover glass) PL L40X/0.60 B.D, W.D:3.04mm
Eyepieces tube	Trinocular, Inclination of 30°, (Integrated analyzer and switching freely)
Vertical illumination	12V 50W halogen lamp, adjustable brightness
unit	Integrated field, aperture diaphragm and (Y,B,G, ground glass) switching device. Push-pull type polarizer.
Focus system	Coaxial coarse/fine focus system, with tension adjustable and limit stopper, minimum division of fine focusing: 2μm.
Nosepiece	Quadruple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:210mmX140mm,movingrange:75mmX50mm)
Vertical illumination unit	Abbe condenser NA.1.25 Rack & pinion adjustable
	Blue filter and Ground glass
	Collector for illumination with halogen lamp (With field diaphragm)
	12V 30W halogen lamp, adjustable brightness

XJL-17 Series Metallurgical Microscope

XJL-17 series metallurgical microscopes are used for identification and analysis of the structures in different metals and alloys. They are the important instruments for researching metallography in metal physics. The instruments can select special photography device to take euploid pictures of atlas metallograph. The instruments are suitable for scientific research, colleges and factory .

Features:
* With plan achromatic objectives with long working distance (no cover glass) and wide-field eyepieces, can get clear pictures and wide view field.
* Coaxial coarse/fine focus system, with tension adjustable and up stop, minimum division of fine focusing: 2μm.
* With 6V 20W halogen lamp, brightness control.
* Trinocular is compensation, can switch to observe normally or to observe the Polarize, can send 100% of light to top photography port.

Specification:

Model			XJL-17A	XJL-17AT	XJL-17B	XJL-17BT
Eyepiece	Wide Field	WF10X(Dia.18mm)	S	S	S	S
		WF16X(Dia.11mm)	O	O	O	O
	Plan Dividing	10X (0.10mm/Div)	O	O	O	O
Objectives (No Cover Glass)	Plan Achromatic	PL10X/0.25	S	S		
		PL 25X/0.40	S	S		
		PL 40X/0.65(S)	S	S		
		PL 60X/0.85(S)	O	O		
		PL 100X/1.25(Oil, S)	S	S		
	Achromatic	10X /0.25			S	S
		20X /0.40			S	S
		100X /1.25(Oil, S)			S	S
	Economic Plan	EP40X /0.65(S)			S	S
Eyepiece Tube	Binocular Compensation (Inclination of 30^0)		S		S	
	Trinocular Compensation (Inclination of 30^0)			S		S
Illuniation Unit	6V 20W halogen lamp, adjustable brightness		S	S	S	S
Photo Unit	4X Focusing photo attachment			O		O
CCD Camera	CCD Cemera and accessories			O		O
Unit	Color TV			O		O
Note: "S"in the table is Standard attachments and "O" is optional attachments.						

XYL-146Y Epi-fluorescent microscope

Model XYL-146Y Epi-fluorescent microscope is widely used in Biology, Iatrology, Immunology, Genetics, Material science, etc. It is usually outfitted with 2 wave bands ,B&G, and you can also proceed general transmission view at the same time . U&V. wave band is available for option.
High quality optical system and B & G. fluoroscope box bring you satisfactory fluorescent effect.

Specification		Model			
		XYL-146Y	XYL-146YT	XYL-146YA	XYL-146YAT
Viewing head	Compensation Free Binocular Head .Inclined at 30 °			S	
	Compensation Free Trinocular Head .Inclined at 30 °				S
	Sliding Binocular Head .Inclined at 45 °	S			
	Sliding Trinocular Head .Inclined at45 °		S		
Eyepiece	WF10X/ 18mm	S	S		
	WF10X/ 22mm			S	S
Objective	195 fluorescent objective:4X,10X,40X(S),100X(S,Oil)	S	S		
	Infinity fluorescent objective: 4X,10X,40X(S),100X(S,Oil)			S	S
	20X,60X(S) objective	O	O	O	O
Stage	Double layers mechanical stage Stage size:180mmX150mm Moving range :75mmX50mm	S	S	S	S
Fluoroscope box	B,G Wave band	S	S	S	S
	U,V Wave band	O	O	O	O
Focusing	Coaxial coarse & fine focusing adjustment with rack and pinion mechanism Fine focusing scale, Value 0.002mm	S	S	S	S
Condenser	N. A.1.25 Abbe condenser with iris diaphragm&filter	S	S	S	S
Optional Accessory	1.3 or 3.0 Mega pixels CMOS electronic eyepiece				
	Photography attachment				

Mark "S" standard outfit. Mark "O" optional parts.
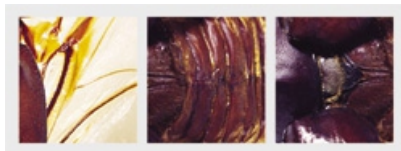
XSJ-1/XSJ-2 Dissection Microscopes

Specification:

Total Magnification : XSJ-1(20X) XSJ-2(40X)

Eyepieces: 10X

Objectives: XSJ-1(2X) XSJ-2(4X)

liiumination: Reflector

Coarse Adiustment Range: 22mm

Working Stage: 70mm*60mm

XP-501 Transmission Polarizing Microscope

Model XP-501 Transmission Polarizing microscope is one of the most professional instruments, in common use, for Geological, Mineral, Metallurgical departments and relative Academy.

Recent years, with the development of optical technology, the Polarizing microscope is in widely use. Transmission Polarizing microscope is a very suitable product. The user can make single polarizing view, orthogonal polarizing view, cone light view and micro-photograph. The microscope is equipped with attachment, such as gypsum(1λ),mica(1/4λ) test piece, quartz wedge and attachable mechanical stage. It is a novel microscope with maturity function and nicer quality.

XP-501   XP-501T   XP-148P   XP-146P

Specification:

Specification		XP-501	XP-501T	XP-148P	XP-146P
		Model			
Viewing Head	Sliding Binocular Head. Inclined at 45^0(52mm -74mm)	S			
	Sliding Trinocular Head. Inclined at 30^0(52mm -74mm)		S	S	
	Compensation Free Trinocular Head. Inclined at 30^0 (50mm -75mm)				S
Eyepiece	WF10X/18mm	S	S		
	10X gridding eyepiece	S	S	S	S
	10X with reticule	S	S	S	S
	WF10X 22mm			S	S
Objective	Achromatic objective: 4*, 10*, 25*, 40* (S), 63*(S)	S	S	S	
	Infinity objective: 4*, 10*, 20*, 40*(S), 63*(S) Oil				S
Stage	Round revolving stage Stage dia: 60mm Rotatable: 360^0	S	S	S	S
Condenser	Swing type N.A1.25 Abbe condenser with iris diaphragm & filter	S	S	S	S
Focusing	Coaxial coarse&fine focusing adjustment with rack and pinion mechanism Fine focusing scale V alue 0.002mm	S	S	S	S
Collector	High brightness light collector	S	S	S	S
Light source	Halogen tungsten bulb 6V/30W.AC 85V-230V Adjustable brightness	S	S	S	S
Optional Accessory	1.30 Mega pixels CMOS electronic eyepieces				

Mark "S" standard outfit.
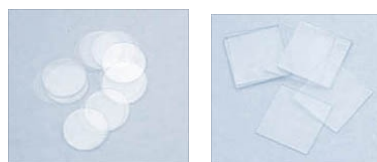
Microscope Cover Slips-Economy

Description	Thickness			Packingч
	Nr.1	Nr.1.5	Nr.2	
8*8mm	√	√	√	
10*10mm	√	√	√	
12*12mm	√	√	√	
18*18mm	√	√	√	
20*20mm	√	√	√	10x100pcs/ vacuum pack
22*22mm	√	√	√	
24*24mm	√	√	√	
24*32mm	√	√	√	
24*40mm	√	√	√	
24*50mm	√	√	√	
24*60mm	√	√	√	
Every 10 boxes wrapped in one Aluminum foil with vacuum				

Microscope Cover Slips-Standard

Description	Thickness			Packing
	Nr.1	Nr.1.5	Nr.2	
18*18mm	√	√	√	200pcs/box
20*20mm	√	√	√	200pcs/box
22*22mm	√	√	√	200pcs/box
24*24mm	√	√	√	200pcs/box
24*32mm	√	√	√	100pcs/box
24*40mm	√	√	√	100pcs/box
24*50mm	√	√	√	100pcs/box
24*60mm	√	√	√	100pcs/box
Individually Wrapped In Vacuum Aluminum Foil.				

Microscope Cover Slips-Circular

Description	Thickness			Packing
	Nr.1	Nr.1.5	Nr.2	
Iʰ 9mm	√	√	√	
Iʰ 10mm	√	√	√	
Iʰ 12mm	√	√	√	
Iʰ 13mm	√	√	√	
Iʰ 15mm	√	√	√	
Iʰ 16mm	√	√	√	
Iʰ 18mm	√	√	√	100pcs/ box
Iʰ 19mm	√	√	√	
Iʰ 20mm	√	√	√	
Iʰ 22mm	√	√	√	
Iʰ 24mm	√	√	√	
Iʰ 25mm	√	√	√	

Cover Glass

Nr.1	Nr.1.5	Nr.2
0.13-0.16mm	0.16-0.19mm	0.19-0.23mm
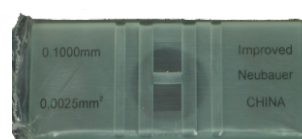
Hemocytometer ART.No.1280

Counting Chamber Cat No.1103

Including one set of Counting Chamber, one set of blood diluting pipettes for red corpuscles, one set of blood diluting pipettes for white corpuscles, one set of blood cover galss.

Counting Chamber Cat No.1103
blood diluting pipettes for red corpuscles
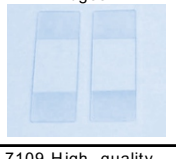
blood diluting pipettes for white corpuscles
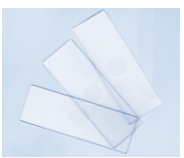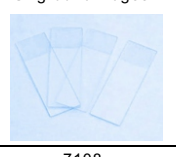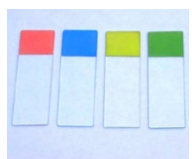
blood diluting pipettes for red corpuscles

blood diluting pipettes for white corpuscles
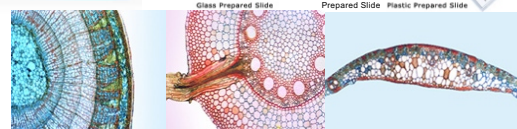
an		
7101 **Plain Slide** **Ground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.0-1.2 0.8-1.0
	Package (PCS/Box)	50,72
	Boxes/CTn	50

7102 **Plain Slide** **Unground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.0-1.2 0.8-1.0
	Package (PCS/Box)	50,72
	Boxes/CTn	50

7103 **Glass Single Concave Slide** **Ground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.1-1.3
	Package (PCS/Box)	50, 72
	Boxes/CTn	50

7104 **Glass Double Concaves** **Slide Ground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.1-1.3
	Package (PCS/Box)	50, 72
	Boxes/CTn	50

7105 **Markable Microscope Slide** **Frosted One End On One** **Side Ground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.0-1.2 0.8-1.0
	Package (PCS/Box)	50, 72
	Boxes/CTn	50

7105-1 **Markable Microscope Slide** **Frosted** **One End On Side** **Unground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.0-1.2 0.8-1.0
	Package (PCS/Box)	50, 72
	Boxes/CTn	50

7106 **Markable Microscope Slide** **Frosted Both Ends On One** **Side Ground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.0-1.2 0.8-1.0
	Package (PCS/Box)	50, 72
	Boxes/CTn	50

7107 **Markable Microscope Slide** **Frosted One End On Both** **Sides** **Ground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.0-1.2 0.8-1.0
	Package (PCS/Box)	50, 72
	Boxes/CTn	50

7107-1 **Markable Microscope Slide** **Frosted One End On Both** **Sides** **Unground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.0-1.2 0.8-1.0
	Package (PCS/Box)	50, 72
	Boxes/CTn	50

7108 **High-Quality Microscope** **Slide** **Frosted Both Ends** **On Both Sides Ground** **Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.0-1.2 0.8-1.0
	Package (PCS/Box)	50,72
	Boxes/CTn	50

7109 High -quality **Microscope Slide Color** **Frosted One End On One** **Side** **Ground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.0-1.2 0.8-1.0
	Package (PCS/Box)	50, 72
	Boxes/CTn	50

7110 **Markable Microscope Slide** **Frosted** **On One side** **Ground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.0-1.2 0.8-1.0
	Package (PCS/Box)	50, 72
	Boxes/CTn	50

7111 **Markable Microscope Slide** **Frosted** **On Both Side** **Ground Edges**	Size (mm)	25.4 X 76.2(1" X 3")
	Thickness(mm)	1.0-1.2
	Package (PCS/Box)	50, 72
	Boxes/CTn	50

Model	LED-24	LED-48	LED-48T	LED-6OT	LED-96T	Dual Goose LED
Output Voltage	4.5V	4.5V	24V	12V	12V	9V
No. of LED	24	48	48	60	96	2
Color Temperature	6500K	6500K	6500K	6500K	6500K	6500K
Brightness adjustment	NO	NO	0-100% adjustable	Step programmable adjustment	YES	YES
Brightness At height of 100mm	Around 6500lux	Around 6500lux	Around 6500lux	Around 6500lux	Around 6500lux	Around 6500lux
Life span	1000 Hours	1000 Hours	1000 Hours	1000 Hours	1000 Hours	1000 Hours

CMOS Electric Eyepiece

MODEL PIXELS
HK-0.3 0.3 Mega Pixels
HK-1.3 1.3 Mega Pixels
HK-2.0 2.0 Mega Pixels
HK-3.0 3.0 Mega Pixels
HK-5.0 5.0 Mega Pixels
HK-9.0 9.0 Mega Pixels

0.3, 1.3, 2.0, 5.0 Mega pixel,CMOS electronic eyepiece

Spectrophotometer

UV Spectrophotometer
UV~Visible Spectrophotometer
Visible Spectrophotometer
Fluorescent Spectrophotometer
Double Beam Spectrophotometer
7 Series Spectrophotometer

Glod S53 UV-Visible Spectrophotometer

MODEL: Gold S53
ProductStandard: EnterpriseStandard Q/SEEK3
DISPLAY STYLE : 4 LED
DEMENSION: 450*435*305
WEIGHT Net 10kg   Gross 12.5kg

DESCRIPTION:
1. Japanese Hamamatsu L2D2 steady, high-luminosity, more than 3000hours lifetime Deuterium lamp, Japanese more than 10000hours lifetime Halogen-Tungsten Lamp, Hamamatsu 1226 UV-receiver; patent compages technology of lamp parts.
 2. Automatically wide range of wavelength scanning & dynamics scanning.
3. Non-spherical optical path of light source, CT grating monochromator.
4. Large sample compartment, 4-positions sample cuvette rack, optional 5cm optical length rectangular cuvettes.
5. With a special software for spectrogram scanning & quantitative data processing , operating prompt with menu .
6. Built-in RS-232C serial port interface & standard parallel print port .

FEATURE:
The Gold S53 UV-Visible spectrophotometer is a 2nm spectral slit width concise easy-operated general use spectrophotometric instrument with wide rang of wavelength. It can measure transmittance , absorbance and direct reading within the wavelengths of 200-1000 nm. This instrument is widely used in medical science and hygiene, clinical analysis, biochemistry, petroleum chemical industry, environmental monitoring and quality control department for qualitative and quantitative analyses.

Spec:

Optical system :	Diffraction grating C-T monochromator
Wavelength range :	200 ~ 1000nm
Light source :	Hamamatsu L2D2 long life high stable deuterium & tungsten lamp combination
Receiver:	Hamamatsu 1226 UV receiver
Wavelength accuracy:	±2nm
Wavelength repeatability:	0.5 nm
Transmittance accuracy:	±0.5%(t) (NBS SRM930D)
Transmittance repeatability:	0.3%(t)
Spectrum bandwidth:	4nm
Stray light:	≤0.2%(t) (360nm, NaNO2) (220nm, NaI)
Display scales:	(T) : 0.0 ~ 199.9%
	(A) : -0.3 ~ 2.999
	(F) : 1 ~ 9999
	(C) : 0 ~ 9999
Power source:	220V±22V 50Hz±1Hz
RS-232C serial port interface & standard parallel print port	

Basic Kit:

1	Gold S53 Spectrophotometer	1 pc
2	1cm rectangular cell(quartz)	1 set(2 pcs)
3	1cm rectangular cell(glass)	1 set(4 pcs)
4	1cm 4 position cell holder	1 pc
5	Power cable	1 pc
6	Operating manual	1 pc
7	Certification of quality checking	1 pc
8	Packing list	1 pc
9	Fuse (2A)	2 pcs
10	Gold S53 qualitative & quantitative software package	1 set

Optional Accessories & Spare Parts
1.   Fuse (2A/3A)
2.   Source lamp assembly with pre-adjusted lamp holder(halogen lamp, deuterium lamp)
3.   Rectangular cell 1, 2, 3, 5 cm (glass), 1 cm (quartz hermetical)
4.   5 cm optical path cuvette rack
5.   RS232C serial interface cable

Glod S54 UV-Visible Spectrophotometer

MODEL: Gold S54
ProductStandard: EnterpriseStandard Q/SEEK3
DISPLAY STYLE : 4 LED
DEMENSION: 450×435×305
WEIGHT Net 10kg Gross 12.5kg

DESCRIPTION
1. Japanese Hamamatsu L2D2 steady, high-luminosity, more than 3000hours lifetime Deuterium lamp, Japanese more than 10000 hours lifetime Halogen-Tungsten Lamp , Hamamatsu 1226 UV-receiver ; patent compages technology of lamp parts. 2. Automatically wide range of wavelength scanning & dynamics scanning.
3. Non-spherical optical path of light source, CT grating monochromator.
4. Large sample compartment , 4-positions sample cuvette rack , optional 5cm optical length rectangular cuvettes.
5. With a special software for spectrogram scanning & quantitative data processing , operating prompt with menu.
6. built-in RS-232C serial port interface & standard parallel print port.

FEATURE:
The Gold S54 UV-Visible spectrophotometer is a 2nm spectral slit width concise easy-operated general use spectrophotometric instrument with wide rang of wavelength. It can measure transmittance , absorbance and direct reading within the wavelengths of 200-1000 nm. This instrument is widely used in medical science and hygiene, clinical analysis, biochemistry, petroleum chemical industry, environmental monitoring and quality control department for qualitative and quantitative analyses.

Spec:

Optical system :	Diffraction grating C-T monochromator
Wavelength range :	200~1000nm
Light source :	Hamamatsu L2D2 long life high stable deuterium & tungsten lamp combination
Receiver:	Hamamatsu 1226 UV receiver
Wavelength accuracy:	±1nm
Wavelength repeatability:	0.5 nm
Transmittance accuracy:	±0.5%(t) (NBS SRM930D)
Transmittance repeatability:	0.3%(t)
Spectrum bandwidth:	2nm
Stray light:	≤0.2%(t) (360nm, NaNO2) (220nm, NaI)
Display scales:	(T) : 0.0~199.9%
	(A) : -0.3~2.999
	(F) : 1~9999
	(C) : 0~9999
Power source:	110V or 220V
RS-232C serial port interface & standard parallel print port	

Basic Kit:

1	Gold S54 Spectrophotometer	1 pc
2	1cm rectangular cell(quartz)	1 set(2 pcs)
3	1cm rectangular cell(glass)	1 set(4 pcs)
4	1cm 4 position cell holder	1 pc
5	Power cable	1 pc
6	Operating manual	1 pc
7	Certification of quality checking	1 pc
8	Packing list	1 pc
9	Fuse (2A)	2 pcs
10	Gold S54 qualitative & quantitative software package	1 set

Optional Accessories & Spare Parts
1. Fuse (2A/3A)
2. Source lamp assembly with pre-adjusted lamp holder(halogen lamp, deuterium lamp)
3. Rectangular cell 1, 2, 3, 5 cm (glass) , 1 cm (quartz hermetical)
4. 5 cm optical path cuvette rack
5. RS232C serial interface cable

Gold S54T UV-VIS SPECTROPHOTOMETER

Features:
* Display mode:4 LED
* HAMAMATZU L2D2 deuterium lamp and tungsten lamp Light source
* C-T configuration diffraction grating monochromator
* A spherical light source optical path ; whole aluminum alloy casting base
* HAMAMATZU long life(≥3000 hours) high stable deuterium lamp and tungsten lamp (≥10000 hours), patent Combination * GOTO λ function
* RS232C serial & parallel interfaces, qualitative & quantitative software, with time and wavelength scanning, peak-valley detection, 2 wavelength quantification, 1st~3rd order curve fitting, linear regression, 1st~4th order differential spectrum operation, spectrogram access and comparison functions, etc
* 4 position cuvette rack, 1~5cm optical path rectangular glass and quartz cuvette

Spec:

Optical system :	Diffraction grating C-T monochromator
Wavelength range:	190-1100 nm
Wavelength accuracy:	≤±1nm
Wavelength repeatability:	≤0.5nm
Bandwidth:	2nm
Transmittance accuracy:	≤±0.3% (τ)
Transmittance repeatability:	≤0.3% (τ)
Stray light:	≤0.2% (τ)
Scale Display :	T 0-199.9%
	ABS -0.3-2.999
	FACT 1-9999
	CONC 0-9999
Interface:	RS232 serial & parallel
Print (option):	thermo sensitive plot printer /Jet printer or laser printer(for software)

Standard Parts List:

1.	Gold S54T Spectrophotometer	1 set
2.	Power cable	1 pc
3.	Instruction manual	1 pc
4.	Quality certificate of product	1 pc
5.	Fuses (2 A)	2 pcs
6.	1cm rectangular cell (quartz)	1 set (2 pcs)
7.	1cm rectangular cell (glass)	1 set (4 pcs)
8.	1cm optical path cell holder	1 pc
9.	Packing list	1 pc
10.	Gold S54T qualitative & quantitative software package	1 set

Optional Accessories and Spare Parts:
1.   Fuse (2A/3A)
2.   Rectangular cell 1cm, 2cm, 3cm, 5cm (quartz)
3.   Rectangular cell 1cm, 2cm, 3cm, 5cm (glass)
4.   5cm optical path cell holder
5.   RS-232C cable

SP 2000UV/UVPC Visible Spectrophotometer

Can you believe? An UV-Vis spectrophotometer costs less than ten thousand, but with power on self-testing, automatic wavelength calibration, light source auto- switching, PC controlled, etc. In the past, it might cost several ten-thousand even decuple with these advanced functions.

SP-2000UV UV-Vis spectrophotometer takes use of high precision sine mechanism as a wavelength driver. Program control, wavelength accuracy, and the linearity over the full wavelength are obviously better than those of the congener instruments in which gear and rack is used as a wavelength driver, and a gauge dial is used for wavelength display.

Specification:

MODEL	SP-2000UV	SP-2000UVPC
Optic system	Littrow type optic system with 1200 grooves/mm diffraction	
Light path	100mm	
Spectrum band width	5nm	
Wavelength range	200-1000nm	190-1100nm
Wavelength accuracy	±2nm (automatic system calibration)	
Wavelength repeatability	1.0nm	
Stray light	≤0.5%T (at 220nm & 340nm)	
Photometric mode	T, A, and C measurement;	
Photometric range	0-125.0%T, -0.097-3.000A, 0-9999C, 0-9999F	
Photometric accuracy	±0.5%T	
Photometric repeatability	0.3%T	
Stability	±0.003A/hr (at 500nm, after warming up for 1 hour)	
Baseline flatness	±0.004A	

.

Main Specification:

Display	2*20 characters LCD with blacklight function
Light Source	6V10W Halogen Lamp(2000 hours)
	Deuterium lamp(1000 hours)
Sample Compartment	100mm Optical Path
Standard Cell Holder	10mm
Standard Cell Configuration	10mm Glass cell(4pcs)
Power Requirement	110/220VAC

Standard configuration:

10mm manual four-cell holder, 1pcs
10*10*45 mm standard quartz cuvettes, 2pcs
RS-232C connection cord, 1pcs
User manual, 1pcs
Operating protocol, 1pcs
Win-spec software 2.33EN, 1pcs

Basic testing mode:

Basic measurement	Photometric measurement,(A/T)
	Concentration measurement (C)
Concentration measurement	Slope method (C=K*A)
	Standard curve method(C=K*A+b)
Software functions	Win-spec workstation, SP-2.33EN
Photometric analysis	T, A, and C measurement;
Quantitative analysis	Standard curve measurement;
Kinetic analysis:	measurement with time-scanning.
Spectrum scan analysis	spectrum scan function (Only SP-2000UVPC)

Basic instrument functions:

100%T or 0%T setup	Automatic.
System self-testing	Wavelength self-testing, light soures self-testing,filter switching,energy calibrating
Light source switching	The switching point can be set at any position at the wavelength range of 325-355nm to improve testing accuracy.
Light source management	Light source on/off status can be controlled to elongate its working life.
Signal output	RS-232C, Analog
Communication function	Intercommunication can be realized after connecting to PC

Extended function (Accessories or workstation software should be chosen.)

Automatic multi-cells holder	Auto-sorting or manual-sorting test, 4 cells and 6 cells for choice.
Micro-volume testing	100µl, as the minimum volume. (Special option cell holder and cuvette should be used.)
Constant temperature testing	Testing samples under the condition of constant temperature. This function is especially suit for kinetic analysis. Electronic constant temperature accessory or water cycling constant temperature accessory should be chosen.
USB communication	USB Port for choice, which fits the developmental tide of modern computer.

Spectral scanning

In the instrument's wavelength range, run spectra scanning for sample according to the setting wavelength range, get the curve of Absorption/Transmittance vs. wavelength to analyze the spectrum characteristic and identify the maximum absorbance peak. User can do spectrum smoothing, peak or valley detecting, and overlap several spectrum curves to do four basic calculations, print and save the data.

Note: There may not be special notifications when the technical specification,profile and configuration changed. Please, the products will be in agreement with the real models.

SP-2100UV/UVPC Visible Spectrophotometer

SP-2100UV is an intelligent UV-Vis spectrophotometer, which has various functions as well as advanced instruments. The instrument contains features such as high automatization, various functions, strong plasticity, and so on. Connecting to PC, and various application functions that offered by Win-spec software, which enable the instrument to be a peripheral equipment of your computer. User can realize diversified functions by PC, such as instrument control, data sampling, data processing, and teletransmission. Moreover, special designed system of detecting light path that makes the sample testing with micro volume be possible, which takes an important part in biochemical analysis, life sciences research, especially in DNA quantitative analysis.

SP-2100UV/SP-2100UVPC

Model	SP2100UV	SP-2100UVPC
Optical system(nm)	Littrow type optic system with 1200 grooves/mm diffraction grating monochromator.	
Measurement Path length	100mm	
Spectral slitwidth(nm)	4nm	
Wavelength range(nm)	190-1000	190-1100
Wavelength accuracy(nm)	±1nm (System Auto Calibration)	
Wavelength Repeatability	0.5nm	
Stray light	< 0.3%T (at 220nm and 340nm)	
Photometric mode	T, A, and C measurement	
Photometric Range	0-125.0%T, -0.097-3.000A	
Photometric accuracy	±0.5%T	
Photometric Repeatability	0.3%T	
Stability	<0.002A/hour after 1 Hour warm up	
Baseline flatness		±0.002A

Standard configuration:
10mm manual four-cell holder, 1pcs
10*10*45 mm standard glass cuvettes, 4pcs
10*10*45 mm standard quartz cuvettes, 2pcs
RS-232C connection cord, 1pcs
User manual, 1pcs
Operating protocol, 1pcs
Win-spec software 2.33EN, 1pcs

Main Specification

Display	2*20 characters LCD with blacklight function
Light Source	6V10W Halogen Lamp(2000 hours)
	Deuterium lamp(1000 hours)
Sample Compartment	100mm Optical Path
Standard Cell Holder	10mm
Standard Cell Configuration	10mm Glass cell(4pcs)
Power Requirement	110/220VAC , 50/60Hz,±10%

Basic testing mode

Basic measurement	Photometric measurement,(A/T)
	Concentration measurement (C)
Concentration measurement	Slope method (C=K*A)
	Standard curve method (C=K*A+b)
Software functions	Win-spec workstation, SP-2.33EN
Photometric analysis	T, A, and C measurement
Quantitative analysis	Standard curve measurement;
Kinetic analysis	Measurement with time-scanning.
Spectrum scan analysis	Spectrum scan function (Only SP-2100UVPC)

Basic instrument functions

100%T or 0%T setup	Automatic
System self-testing	Wavelength self-testing, light soures self-testing,filter switching,energy calibrating.
Light source switching	The switching point can be set at any position at the wavelength range of 325-355nm to improve testing accuracy.
Light source management	Light source on/off status can be controlled to elongate its working life.
Signal output	RS-232C, Analog
Communication function	Intercommunication can be realized after connecting to PC

Extended function (Accessories or workstation software should be chosen.)

Automatic multi-cells holder	Auto-sorting or manual-sorting test, 4 cells and 6 cells for choice.
Micro-volume testing	100μl, as the minimum volume. (Special cell holder and cuvette should be used.)
Constant temperature testing	Testing samples under the condition of constant temperature. This function is especially suit for kinetic analysis. Electronic constant temperature accessory or water cycling constant temperature accessory should be chosen.
USB communication	USB Port for choice, which fits the developmental tide of modern computer.

Spectral scanning

In the instrument's wavelength range, run spectra scanning for sample according to the setting wavelength range, get the curve of Absorption/Transmittance vs. wavelength to analyze the spectrum character ist ic and ident i fy the maximum absorbance peak. User can do spectrum smoothing, peak or valley detecting, and overlap several spectrum curves to do four basic calculations, print and save the data.

Note: There may not be special notifications when the technical specification,profile and configuration changed. Please, the products will be in agreement with the real models.

SP-2102UV/UVPC Visible Spectrophotometer

Switchable spectral bandwidth especially suits for the analysis in drug control, pharmaceutics, and scientific research, and so on.

SP-2102UVPC spectrophotometer has been developed on the basis of SP-2102UV, which utilizes the abundant resources and functions of MS Windows platform. SP-2102UVPC is a new generation of UV/Vis Spectrophotometer with spectrum scanning function.

This model not only reaches the instrument technical index prescribed in Drug Codex, but also has a good many quantification and qualification functions, such as wavelength scanning, single wavelength, double wavelength, triple wavelength, or multiple wavelength measurement, as well as derivative spectrum analysis, four basic calculations of spectra.

Excellent instrument stability and sensitivity render itself to be the top one among the same class instruments. The performance of SP-2102UVPC competes that of double beams spectrophotometers.

Performance Specification

MODEL	SP-2102UV	SP-2102UVPC
Optic system	Littrow type optic system with 1200 grooves/mm diffraction grating monochromator.	
Light path	100mm	
Spectrum band width	2nm	
Wavelength range	190-1100nm	
Wavelength accuracy	±1nm	±0.5nm
Wavelength repeatability	0.5nm	0.2nm
Stray light	Ù0.1%T (at 220nm & 340nm)	
Photometric Mode	T, A, and C measurement	
Photometric Range	0-125.0%T, -0.097-3.000A	
Photometric accuracy	¤0.3%T	
Photometric repeatability	0.15%T	
Stability	¤0.001A/hr (at 500nm, after warming up for 1 hour)	
Baseline flatness		±0.002A

Main Specification

Display	2*20 characters LCD with blacklight function(SP-2102UV)
	128*64 LCD Displayer (SP-2102UVPC)
Light Source	6V10W Halogen Lamp(2000 hours)
	Deuterium lamp(1000 hours)
Sample Compartment	100mm Optical Path
Standard Cell Holder	10mm
Standard Cell Configuration	10mm Glass cell(4pcs)
Power Requirement	110/220VAC , 50/60Hz,±10%

Basic testing mode

Basic measurement	Photometric measurement,(A/T)
	Concentration measurement (C)
Concentration measurement	Slope method (C=K*A)
	Standard curve method (C=K*A+b)
Software functions	Win-spec workstation, SP-2.33EN
Photometric analysis	T, A, and C measurement
Quantitative analysis	Standard curve measurement
Kinetic analysis	Measurement with time-scanning
Spectrum scan analysis	Spectrum scan function (Only SP-2102UVPC)

Standard configuration

10mm manual four-cell holder, 1pcs

10*10*45 mm standard glass cuvettes, 4pcs

10*10*45 mm standard quartz cuvettes, 2pcs

RS-232C connection cord, 1pcs

Power cable, 1pcs

User manual, 1pcs

Operating protocol, 1pcs

Win-spec software 2.33EN, 1pcs

Basic instrument functions

Storage function	56 standard curves
100%T or 0%T setup	Automatic
System self-testing	Wavelength self-testing, light soures self-testing,filter switching, energy calibrating.
Light source switching	The switching point can be set at any position at the wavelength range of 325-355nm to improve testing accuracy.
Light source management	Light source on/off status can be controlled to elongate its working life.
Signal output	RS-232C, Analog
Communication function	Intercommunication can be realized after connecting to PC

Extended function (Accessories or workstation software should be chosen.)

Automatic multi-cells holder	Auto-sorting or manual-sorting test, 4 cells and 6 cells for choice.
Micro-volume testing	100µl, as the minimum volume. (Special cell holder and cuvette should be used.)
Constant temperature testing	Testing samples under the condition of constant temperature. This function is especially suit for kinetic analysis. Electronic constant temperature accessory or water cycling constant temperature accessory should be chosen.
USB communication	USB Port for choice, which fits the developmental tide of modern computer.

Multiple wavelength analysis

Up to 20 wavelength points can be used for measuring sample's absorbance or transmittance. The background can be corrected by multiple wavelengths calculation to measure unknown samples, which great ly enhance test precision and speed. Besides, by inputting K factor, user can do multiple wavelengths programming to measure the concentration of unknowns.

Note: There may not be special notifications when the technical specification,profile and configuration changed. Please, the products will be in agreement with the real models.

SP-2102UVP UV-Vis spectrophotometer (Large LCD)

1. 6.4 inch high definition LCD with large screen.
2. Real-time multitasking kernel, whole graphic cross-talking interfaces.
3. Memory that without losable, optimized source configuration, last working status be remembered automatically.
4. Powerful function of self-testing and calibration: dark current calibrating,
5. Automatically finding the zero order light, characteristic spectral line with656.1nm of deuterium lamp positioning.
7. Fancy image and character output interface.
8. PC connecting for choice, and various versions of Win-scan software that professional version or enhanced version for choice.
Resolving power of 2nm, which fits the requirement for drug codex of different nations.

Recommended application areas
Main performances reach the level of the same indexes that from imported instruments and domestic advanced instruments. It's an indispensable instrument for quality control that is widely used in pharmaceutical analysis, food, medicines and healthy, life sciences, biochemical analysis and organic chemistry. It's also an ideal testing tool in schools and scientific research academies.

Basic instrument functions

Storage function	Dynamic storage function, optimized resource configuration, standard curve farthest storage, last working status automatically be remembered.
100%T or 0%T setup	Automatic
System self-testing	Wavelength self-testing, light soures self-testing,filter switching,energy calibrating.
Light source switching	The switching point can be set at any position at the wavelength range of 325-355nm to improve testing accuracy.
Light source management	Light source on/off status can be controlled to elongate its working life.
Signal output	RS-232C, LPT
Communication function	Intercommunication can be realized after connecting to PC
Print function	HP parallel printer of spray-ink or laser can be connected.

Extended function

(Accessories or workstation software should be chosen.) Automatic multi-cells holder.
Auto-sorting test, or manual-sorting, 4 cells and 6 cells for choice.
Micro-volume testing
100µl, as the minimum volume. (Special cell holder and cuvette should be used.)
Constant temperature testing
Testing samples under the condition of constant temperature.
Electronic constant temperature accessory or water cycling
constant temperature accessory should be chosen.

Main Specification

Display	320*640 large screen graphic LCD
Light Source	6V10W Halogen Lamp(2000 hours)
	Deuterium lamp(1000 hours)
Sample Compartment	100mm Optical Path
Standard Cell Holder	10mm
Standard Cell Configuration	10mm Glass cell(4pcs)
Power Requirement	110/220VAC , 50/60Hz,±10%
Size	475×420×180 (mm)
Net Weight	12KG
Gross weight	15KG

SP-2102UVP

Standard configuration
10mm manual four-cell holder, 1pcs
10*10*45 mm standard glass cuvettes, 4pcs
10*10*45 mm standard quartz cuvettes, 2pcs
RS-232C connection cord, 1pcs
Power cord, 1pcs
User manual, 1pcs
Operating protocol, 1pcs

Performance Specification

Model	SP-2102UVP
Optic system	Littrow type optic system with 1200 grooves/mm diffraction grating monochromator.
Light path	100mm
Spectrum band width	2nm(1nm or 4nm selectable)
Wavelength range	190-1100nm
Wavelength accuracy	±1nm(automatic system calibation)
Wavelength repeatability	0.5nm
Stray light	≤0.3%T (at 220nm & 340nm)
Photometric mode	T, A, and C measurement;
Photometric range	0-125.0%T, -0.097-3.000A
Photometric accuracy	±0.3%T
Photometric repeatability	0.2%T
Stability	±0.002A/hr (at 500nm, after warming up for 1 hour)
Baseline flatness	±0.004A

Main testing interface

Upgraded SP-2102UVP UV-Vis spectrophotometer uses 6.4 inch graphic type LCD with large screen that substitutes previous simple display mode of character type in which new functions, such as spectral scanning, quantitative analysis, ect. are included. The sample's absorbance, transmittance, or concentration is real-time recorded. The spectral scanning curve and standard curve can be drawn, and the testing parameters can be shown in list, for example, the wavelength, light source energy, on-off status of the light source, operating suggestions, and so on. The human design fits the operating custom of most users.

SP-2102UVP UV-Vis spectrophotometer supplies diversified testing mode, mainly about:

Photometric analysis: absorbance, transmittance, concentration measurement.

Quantitative analysis: measurement with slope and intercept (C=K × Abs. + B), measurement with standard curve.

Spectral scanning: whole wavelength range scanning, section of the wavelength range scanning, peak and valley identifying can be carried out.

Main menu: The interface is clear and intuitionistic designed, and with function key suggests, user can easily enter into appointed interface.

Accessories for choice

Electronic constant temperature cells holder

Water cycling constant temperature cells holder

5-100mm light path manual multi-cells holder

Micro cell holder, with 1-4mm slit, single cell

100-200μl ultra-micro cell holder, single cell

Optic film rack

Ø8- Ø22mm test tube rack, single cell

10-100mm light path cell holder for cylindraceous sample, single cell

7- 25mm mirror reflection apparatus

AC-230 type intelligent temperature/sample controller

AC-220 type intelligent auto-sample controller

AC-210 type intelligent temperature controller

Cuvettes with different specifications

Note: There may not be special notifications when the technical specification,profile and configuration changed. Please, the products will be in agreement with the real models.

Quantitative analysis

By inputting the standards' concentration and measuring each absorbance, user can easily establish a fitted curve of 10 standards. The system automatically numbers and lists each sample's absorbance and concentration. User can pick up the figure of standard curve, linear equation, and correlative coefficient the system automatically calculated, and evaluate the curve's linear fitting effect. The established standard curves can be stored, printed out or recalled from memory for measuring unknown samples. Moreover, user can directly input the fitted parameters, such as the slope, intercept, etc, to quickly establish standard curve without inputting the concentration values of standard samples.

I3 UV-Visible Spectrophotometer

Characteristics:

* Standard quantitative software can directly complete photometric analysis, quantitative test and processing of analytical data.
* Can establish calibration curves and implement associated tests. The instrument internal can be stored 200 groups of data and 200 standard curves.
* With calibration curve method, we can establish multiple-point standard curve directly, on basis of which we can measure the concentration of the unknown sample.
* With coefficient method, we can implement sample measurement directly after inputting coefficient of the curvilinear equation.
* Automatic wavelength calibration and automatic deviation repair.
* Deuterium and tungsten lamp can be changed easily, without debugging.
* Standard with PC software.

Technical data:

Wavelength Range	190-1100nm
Bandwidth	2nm
Wavelength Accuracy	±1nm
Wavelength Reproducibility	≤0.3nm
Photometric Accuracy	±0.5%T
Photometric Repeatability	≤0.2%T
Stability	±0.0001A/h(500nm)
Photometric Range	0-200%T, -0.3~3A, 0-9999C
Wavelength setting mode	Automatic
Output	USB Port
Printer port	Parallel Port
Display	Graphic LCD(128*64)
Light Source	Deuterium&Tungsten Halogen Lamp
Detector	Silicon Photodiode
Power	AC 220V/50Hz or 110V/61Hz
Dimension	460*380*160mm
Weight	13Kg

I5 UV-Visible Spectrophotometer

Characteristics:

* 24-bit high speed and high precision A/D conversion, and improve the sensitivity of the instrument.
* The Main unit and PC software can independently implement functions of Quantitative; Kinetics; Wavelength Scan; Multi Wavelength; DNA/Protein and Data Printing, PC software can complete the function of data processing.
* Strong function of data processing makes user editing can be easier and more convenient.
* Suspended posture optical system design, strengthen and thicken the bottom plate to eliminate the vibration or transformation's impact on the optical system.
* Adopt synchronous sine institutions, high accuracy of the wavelength, repeatability.
* Standard with PC software.

Spec:

Wavelength Range	190-1100nm
Bandwidth	1.8nm
Wavelength Accuracy	±0.5nm
Wavelength Reproducibility	≤0.2nm
Photometric Accuracy	±0.3%T
Photometric Repeatability	≤0.15%T
Straylight	≤0.05%T
Stability	±0.001A/h(500nm)
Baseline Flatness	±0.001A
Noise	±0.0005A
Photometric Range	0-200%T, -0.3~3A, 0-9999C
Wavelength setting mode	Automatic
Scanning speed	HI,MED,LOW,Optional
Output	USB Port
Printer port	Parallel Port
Display	LCD(320*240)
Light Source	Deuterium&Tungsten Halogen Lamp
Detector	Silicon Photodiode
Power	AC 220V/50Hz or 110V/62Hz
Dimension	460*380*180mm
Weight	20Kg

752S UV-VIS Spectrophtometer

Display Mode : 4 digital LED
Lamp: Patent assembled Hamamatsu L2D2 long life Deuterium Lamp and RoYal long life Halogen-Tungsten Lamp
Optical system : C-T configuration diffraction grating monochromator
Interface:RS232 serial port
Dimensions : 370/320/240 mm
Weight : 10Kg

Features:

* Whole aluminum metal alloy die-castings.
* Patent assembled pre-aligned deuterium and halogen-tungsten lamp,long life and simple maintenance.
* Advanced optical system ensures low stray light.
* Built in SCM technology,auto 0%,auto 100%,error-free T/A transformation.
* Transmittance test, absorbance test, concentration factor setting or concentration direct readout functions.
* Analysis with data processing software.
* Spacious sample compartment, 4 position cuvette rack, adaptable for 1-5cm optical path rectangular cuvettes.

Specifications

Wavelength Range:	200-960 nm
Wavelength Accuracy:	±2nm
Wavelength Reproducibility:	≤1nm
Spectral band width:	2nm
Photometric Accuracy:	±0.5%(τ)
Photometric Reproducibility:	0.3%(τ)
Stray Light:	≤0.5%(τ) (360nm, NaNO2) (220nm, NaI)
Photometric range:	TRANS: 0-199.9%
	ABS: -0.3-2.999
	FACT: 1-9999
	CONC: 0-9999

Standard Configuration
1) 752S spectrophotometer 1 set
2) Power cable 1 pc
3) User Manual 1 pc
4) Certificate of quality checking 1 pc
5) Fuses (2A) 2 pcs
6) 1cm glass cuvette 2 pairs
7) 1cm quartz cuvette 1 pair
8) 1cm 4 position cuvette rack 1 pc
9) Packing list 1 pc

Optional Accessories
1) Fuse (2A/3A)
2) Assembled pre-aligned deuterium and halogen-tungsten lamp
3) Glass cuvette 1 cm, 2 cm, 3 cm , 5cm
4) Quartz cuvette 1cm、2cm、3cm、5cm
5) 5 cm cuvette rack (adaptable for 1-5cm cuvette)
6) Praseodymium-Neodymium optical filter
7) Holmium oxide optical filter
8) Mini printer
9) Printer cable
10) Data processing software package
11) Comunication cable

755S UV-VIS Spectrophotometer

Display Mode : Backlight digital LCD
Lamp: Patent assembled Hamamatsu L2D2 long life Deuterium Lamp and RoYal
long life Halogen-Tungsten Lamp
Optical system : C-T configuration diffraction grating monochromator
Interface:RS232 Serial port

Features

* Whole aluminum metal alloy die-castings.
* 128*64 dots back illuminated wide screen LCD display.
* Patent assembled pre-aligned deuterium and halogen-tungsten lamp,long life and simple maintenance. spectral engery correct system.
* Advanced optical system ensures low stray light.
* Built in SCM technology, auto 0%,auto 100%,error-free T/A transformation.
* Decimal system keyboard,transmittance test, absorbance test, concentration factor setting or concentration direct readout functions.
* As much as 24 items of working curve equations can be preserved for long time.
* First order curve fitting can be performed.
* Data printout by mini printer.
* Spacious sample compartment, 4 position cuvette rack, suitable for 1-5 cm optical path rectangular cuvettes.

Standard Configuration
1) 755S spectrophotometer 1 set
2) Power cable 1 pc
3) User Manual 1 pc
4) Certificate of quality checking 1 pc
5) Fuses (2A) 2 pcs
6) 1cm glass cuvette 2 pairs
7) 1cm quartz cuvette 1 pair
8) 1cm 4 position cuvette rack 1 pc
9) Packing list 1 pc
10)Mini printer 1 set

Optional Accessories
1) Fuse (2A/3A)
2) Assembled pre-aligned deuterium and halogen-tungsten lamp
3) Glass cuvette 1 cm, 2 cm, 3 cm , 5cm
4) Quartz cuvette 1cm、2cm、3cm、5cm
5) 5 cm cuvette rack (adaptable for 1-5cm cuvette)
6) Praseodymium-Neodymium optical filter
7) Holmium oxide optical filter
8) Mini printer
9) Printer cable
10) Data processing software package
11) Comunication cable

Specifications:

Wavelength Range:	200-960 nm
Wavelength Accuracy:	±1nm
Wavelength Reproducibility:	≤0.5nm
Spectral band width:	2nm
Photometric Accuracy:	±0.5%(τ)
Photometric Reproducibility:	0.3%(τ)
Stray Light:	≤0.2%(τ) (360nm, NaNO2) (220nm, NaI)
Photometric range:	TRANS: 0-199.9%
	ABS: -0.3-2.999
	FACT: 1-9999
	CONC: 0-9999

SP1105 Visible Spectrophotometer

Recommended application areas:

SP-1105 is an ideal upgrade product for colleges' basic laboratories, and other routine laboratories, such as food and healthy, biological engineering, modern agriculture, environment monitoring, etc. It's also used as an on-field detecting device in corporations that let wastes, such as iron and steel industry, food, paper making, plating, printing and dyeing, sugar refining, electricity generating, and so on.

Main features:

* Novel designed auto-collimated light path with grating monochromator, guarantees excellent optical performance.
* The SCM technology enables the instrument to be intelligent and digital.
* Function of 0%T and 100%T self-adjusting, which enables the operation simple and human.
* Large display with LCD, which enables the testing parameters be displayed as transmittance, absorbance, and concentration.
* High precision of data processing that reaches one percent of a hundred thousand, which makes the transform between transmittance and absorbance with little error be possible.
* Filters auto-switching at the whole wavelength range, enables the instrument without additional manual operation.
"* Switching power supply, with self-adaptive inputting voltage of 85~264VAC, (that is abbreviated to "SMPS"), guarantees that the instrument can work normally with different power supply at any environment."

SP1105

Basic testing mode

Basic measurement	Photometric measurement,(A/T)
	Concentration measurement (C)
Concentration measurement	Slope method (C=K*A)
	Standard curve method
Software functions	Win-spec workstation, SP-1.33EN
Photometric analysis	T, A, and C measurement
Quantitative analysis	standard curve measurement
Kinetic analysis	measurement with time-scanning

Main Specification

Display	3.5bits digital LCD Displayer
Light Source	6V10W Halogen Lamp(2000 hours)
Sample Compartment(Max)	50mm Optical Path
Standard Cell Holder	10mm
Standard Cell Configuration	10mm Glass cell(4pcs)
Power Requirement	110/220VAC , 50/60Hz,±10%

Basic instrument functions:

| 100%T or 0%T setup	Automatic.
Signal output	RS-232C, Analog
Communication function	Intercommunication can be realized after connecting to PC (option)

Photometric Performance

Photometric Analysis	T, A, and C measurement;
Photometric Range	0-125.0%T , 0-1.999A, 0-1999C, 0-1999F
Photometric Accuracy	±1.0%T
Photometric repeatbility	0.5%T
Stability	±0.004A/hr (at 500nm, after warming up for 1 hour)

Optical Performance

Optic System	Littrow type optic system with 1200 grooves/mm diffraction grating monochromator
Light path	50mm
Spectrum bandwidth	6nm
Wavelength range	340-1000nm
Wavelength accuracy	±2nm
Wavelength repeatability	1nm
Stray light	≤0.5%T(at 360nm)

Standard configuration

10mm manual four-cell holder, 1pcs

10*10*45 mm standard glass cuvettes, 4pcs

RS-232C connection cord, 1pcs

Power cable, 1pcs

User manual, 1pcs

Operation procedure, 1pcs

Win-spec software SP-1.33EN, 1pcs

Function configuration

Standard type: SP-1105

The operation can be carried out by the instrument. It also can be controlled by PC, which is easy to master, and plenty of testing data can be stored, data processing such as calculation, statistic analysis and tab also can be realized.
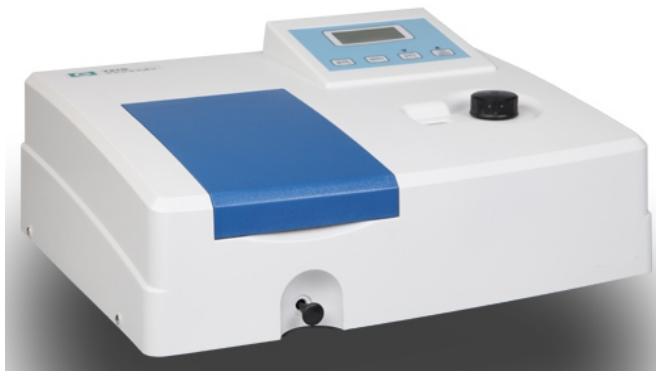
Feature:
* Sample compartment for 5-100mm cells (optional).
* Equipped with RS232 port.
* Precise automatic T/A changeover.
* Dedicated printer optional.
* Automatic zero and full scale adjustment.
* Software optional.
* Direct concentration read-out and concentration factor setting function.

Specifications	721G	722G
WL range (nm)	340-1000	325-1000
WL accuracy	∧2nm	
WL repeatability	∧1nm	
Spectrum bandwidth	5nm	5nm
Transmittance accuracy	±0.5% (t) (NBS930D)	
Transmittance repeatability	∧0.2% (t)	
Transmittance measuring range	0-100T	
Absorbance measuring range	0-2A	
Stray light	∧0.5% (t) (at 360nm, NaNO 2)	
Drift	∧0.5% (t)/3min	
Signal noise	0.2T%	
RS232	including	
Cell holder	50mm	50mm
Power supply	220V 50Hz (220V/110V optional)	
G.W.	13.5kg	
Package Dimensions	560*480*290mm 0.078M 3	
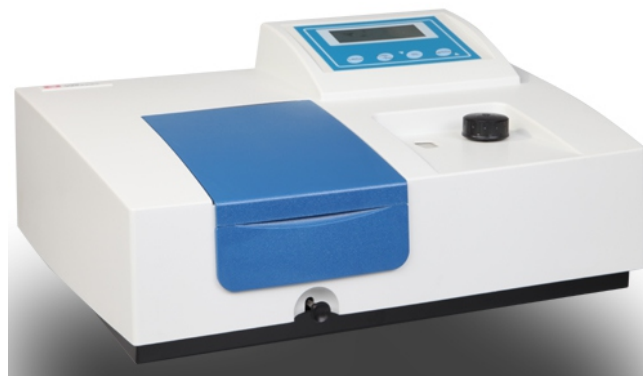
Feature:
* Sample compartment for 5-50mm cells.
* Direct concentration read-out and concentration factor setting function.
* Precise automatic T/A changeover.
* Equipped with RS232 port.
* Automatic zero and full scale adjustment.
* Software optional.

Spec:

Specifications	721N	722N	752N
WL range (nm)	360-1000	325-1000	200-1000
WL accuracy	2nm		
WL repeatability	±1nm		
Spectrum bandwidth	4nm		
Transmittance accuracy	∧0.5% (t) (NBS930D)		
Transmittance repeatability	∧0.2% (t)		
Transmittance measuring range	0-100T	0-100T	0-100T
Absorbance measuring range	0-2A	0-2A	0-2A
Stray light	∧0.15% (t) (at 360nm, NaNO 2)	∧0.1% (t) (at 360nm, NaNO 2)	∧0.3% (t) (at 220nm, NaI)
Drift	∧0.5% (t)/3min		
Signal noise	0.2T%	0.2T%	0.2T%
RS232	Including		
Printer	optional	optional	optional
Cell holder	10mm		
Power supply	AC85-242V	AC220V	
G.W.	14kg	14kg	30kg
Package Dimensions	640*480*340mm 0.104CBM		

S22PC Visible Spectrophotometer

Features:

* Whole aluminum metal alloy die-castings.

* Pre-aligned halogen-tungsten lamp,offer ease of use and simple maintenance.

* Built in SCM technology,auto 0%,auto 100%,error-free T/A transformation.

* Transmittance test, absorbance test, concentration factor setting and concentration direct readout functions.

* Analysis with data processing software.

* Spacious sample compartment, 4 position cuvette rack, adaptable for 1-5cm optical path rectangular cuvettes.

Specification:

Wavelength Range	340-1000nm
Wavelength Accuracy:	─0l k
Wavelength Reproducibility:	≤1nm
Spectral Bandwidth:	6nm
Photometric Accuracy:	─.,3# &
Photometric Reproducibility:	─.,1# &
Stray Light:	≤0.5%(τ)
	≤0.2%(τ) (S22PC)
Scale:	TRANS: 0-199.9%
	ABS: -0.3-2.999
	FACT: 1-9999
	CONC: 0-9999
Display Mode	4digit(LED)
Lamp	Halogen-Tungsten Lamp
Optical System	C-T configuration diffraction grating monochromator
Interface	RS232 Serial Port, Parallel port
Dimension	370*320*210
Weight	7KG

Standard Configuration:

S22PC   1 PC

Power cable 1 PC

Operation Manual 1 pc

Fuses (2 A) 2 pcs

1 cm glass cuvettes   2 Pairs

1cm 4 position cuvette rack 1 PC

Packing list 1 PC

Optional Accessories and Spare Parts:

1. Fuse (2A/3A)

2. pre-aligned UV-VlS combine lamp

3. Glass cuvette 1cm, 2cm, 3cm, 5cm

4. 5 cm cuvette rack (adaptable for 1-5 cm Cuvette)

5. Qualitative-quantitative data processing software packag

6. Comunication Cable

7. Mini Printer

8 Printer Cable

9. Praseodymium-Neodymium Optical Filter

S23A Visible Spectrophotometer(Tube & Cuvette)

S23A is special for Environmental Protection Department and Education Department, Can use testing tubes or cuvette to make measure

Features:
* Using universal φ12+0.4*100 mm testing tubes or cuvette to make measure directly.
* Whole aluminum metal alloy die-castings.
* Pre-aligned halogen-tungsten lamp,offer ease of use and simple maintenance.
* Built in SCM technology,auto 0%,auto 100%,error-free T/A transformation.
* Transmittance test, absorbance test, concentration factor setting and
concentration direct readout functions.
* Analysis with data processing software.

How to select the test tube
Generally the round test tube is not for optic purpose unless it is pre-checked strictly.
1. Check size. (The size should be φ12+0.4×100 mm)
2. Check the surface of tube. (It should be no bubbles, no scabs, no thread like things.)
3. Warming instrument and set the wavelength at 360 nm.
4. Pour some pure water into tube and insert it to the test tube well in sample apartment.
Then put some mark on the tube opposite the white mark at the instrument.
5. Put the other test tube into instrument one by one and get the readout for everyone and put
mark at everyone. We can divide them in many groups. In each group the differential of
readout for every tub is less then ±0.02A.
6. We can use tubes in same group for blank, sample, and standard solution
needn't check the tube every time.

Specifications:

Wavelength Range	340~950nm
Wavelength Accuracy	±2.5nm
Wavelength Repeatability	<1nm
Photometric Range	0.0-199.9%T
	-0.3-2.999A
	1~9999F
	0~9999C
Photometric Accuracy	‡0# &'&Rs`c'
	⎯,3# &'&Ast crrc'
Photometric Reproducibility	0.3%(τ)
Stray Light	< 0.5%(τ)
Spectral Bandwidth	12nm
Display Mode	4digit(LED)
Lamp	Halogen-Tungsten Lamp
Optical System	C-T configuration diffraction grating monochromator
Interface	RS232 Serial Port
Dimension	370*320*210
Weight	6.5KG

Standard Configuration
S23A Spectrophotometer	1 Set
1 CM Glass Cuvette	1 Pairs
Cuvette Rack	1 PC
Power Cable	1 PC
User Manual	1 PC
Fuse (2A)	1 PC
Packing List	1 PC

Optional Accessories
Fuse (2A/3A)
Pre-aligned halogen-tungsten lamp
Glass Cuvette 1 cm
Cuvette Rack
Praseodyminum-Neodymium Optical Filter
Mini Printer
Printer Cable
Spectrophotometer data processing software package
Comunication Cabel

SP2000 Visible Spectrophotometer

Recommended application:

"SP-2000 is a visible spectrophotometer special designed for micro amount sample.The sample compartment can hold cuvettes with100mm light path, and diversified cuvettes with light path at a range of 5-50mm also can be hold. SP-2000 is used as a teaching instrument in basis laboratories, which is used in colleges for specialty of environmental protection. It's also used as an instrument for products quality control at sugar-refinery, food and drink industry."

It's better used as a monitoring device that controls the let of waste water in industries, such as electricity generating, water supply, paper making, plating, printing and dyeing, and so on.

Main features:

* The large sample compartment with long path detecting system, enable diversified cuvettes be hold at the range of 5-100mm.
* Novel designed auto-collimated light path with grating monochromatic, guarantees excellent optical performance.
* The SCM technology enables the instrument to be intelligent and digital.
* Function of 0%T and 100%T self-adjusting, which enables the operation simple and human.
* Large display with LCD, which enables the testing parameters, be displayed as transmittance, absorbance, and concentration.
* High precision of data processing that reaches one percent of a hundred thousand, which makes the transform between transmittance and absorbance with little error be possible.
* Filters auto-switching at the whole wavelength range, enables the instrument without additional manual operation.
* Switching power supply, with self-adaptive inputting voltage of 85~264VAC, (that is abbreviated to "SMPS"), guarantees that the instrument can work normally with different power supply at any environment.

SP2000

Basic testing mode:

Basic measurement	Photometric measurement,(A/T)
	Concentration measurement (C)
Concentration measurement	Slope method (C=K*A)
	Standard curve method
Software functions	Win-spec workstation, SP-1.33EN
Photometric analysis	T, A, and C measurement
Quantitative analysis	Standard curve measurement
Kinetic analysis	Measurement with time-scanning.

Main Specification:

Display	3.5bits digital LCD Displayer
Light Source	6V10W Halogen Lamp(2000 hours)
Sample Compartment(Max)	50mm Optical Path
Standard Cell Holder	50mm
Standard Cell Configuration	10mm Glass cell(4pcs)
Power Requirement	110/220VAC , 50/60Hz,±10%

Basic instrument functions:

100%T or 0%T setup	Automatic.
Signal output	RS-232C, Analog
Communication function	Intercommunication can be realized after connecting to PC

Photometric Performance:

Photometric Analysis	T, A, and C measurement;
Photometric Range	0-125.0%T , 0-1.999A, 0-1999C , 0-1999F
Photometric Accuracy	±0.5%T
Photometric repeatbility	0.3%T
Stability	±0.003A/hr (at 500nm, after warming up for 1 hour)

Optical Performance:

Optic System	Littrow type optic system with 1200 grooves/mm diffraction grating monochromator
Light path	100mm
Spectrum bandwidth	5nm
Wavelength range	325-1000nm
Wavelength accuracy	±2nm
Wavelength repeatability	1nm
Stray light	≤0.5%T (at 360nm)

Standard configuration:

50mm manual four-cell holder, 1pcs

10*10*45 mm standard glass cuvettes, 4pcs

RS-232C connection cord, 1pcs

Power cable, 1pcs

User manual, 1pcs

Operation procedure, 1pcs

Win-spec software SP-1.33EN, 1pcs

Function configuration:

Standard type: SP-2000

The operation can be carried out by the instrument. It also can be controlled by PC, which is easy to master, and plenty of testing data can be stored, data processing such as calculation, statistic analysis and tab also can be realized.

Note: There may not be special notifications when the technical specification,profile and configuration changed. Please, the products will be in agreement with the real models.

SP2100/2100PC Visible Spectrophotometer

SP-2100 is an intelligent visible spectrophotometer that has various functions as well as advanced instruments. The instrument contains features such as high automatization, various functions, strong plasticity, and so on. The Win-spec photometric software with diversified application functions is accompanied with the instrument as a present, which combining with special accessories for different purpose, the stick and the carrot, enables you to obtain a solution for sample analysis that fits to your individuation requirement. User can find a solution that well-designed for you from our company whichever industry you are engaged in.

Performance&Specification

Item	SP-2100	SP-2100PC
Optic system	Littrow type optic system with 1200 grooves/mm diffraction grating monochromator.	
Wavelength range(nm)	325-1000	
Spectrum bandwidth(nm)	4	
Wavelength accuracy(nm)	±1	
Wavelength repeatability(nm)	0.5	0.3
Photometric range	0-125%T,-0.097-3A	
Photometric accuracy	±0.5%T	
Photometric repeatability	0.3%T	
Stray light	≤0.3%T (at 220nm)	
Stability	±0.002A/hr(at 500nm,after warming up for 1hour)	
Noise	±0.001	
Baseline flatness	±0.004A	
Display	128*64 digital LCD Displayer	

SP2100/2100PC

Basic testing mode:

Basic measurement	Photometric measurement,(A/T)
	Concentration measurement (C)
Concentration measurement	Slope method (C=K*A)
	Standard curve method
Software functions	Win-spec workstation, SP-2.33EN
Photometric analysis	T, A, and C measurement
Quantitative analysis	Standard curve measurement
Kinetic analysis	Measurement with time-scanning
Spectrum scan analysis	Spectrum scan function (Only SP2100PC)

Main Specification:

Display	2*20 characters LCD with blacklight function
Light Source	6V10W Halogen Lamp(2000 hours)
Sample Compartment(Max)	100mm Optical Path
Standard Cell Holder	10mm
Standard Cell Configuration	10mm Glass cell(4pcs)
Power Requirement	110/220VAC , 50/60Hz,±10%

Basic instrument functions:

100%T or 0%T setup	Automatic.
System self-testing	Wavelength self-testing, light soures self-testing,filter switching,energy calibrating.
Signal output	RS-232C, Analog
Communication function	Intercommunication can be realized after connecting to PC.

Standard configuration

50mm manual four-cell holder, 1pcs

10*10*45 mm standard glass cuvettes, 4pcs

RS-232C connection cord, 1pcs

Power cable, 1pcs

User manual, 1pcs

Operation procedure, 1pcs

Win-spec software SP-1.33EN, 1pcs

Function configuration

Standard type: SP-2000

The operation can be carried out by the instrument. It also can be controlled by PC, which is easy to master, and plenty of testing data can be stored, data processing such as calculation, statistic analysis and tab also can be realized.

Note: There may not be special notifications when the technical specification,profile and configuration changed. Please, the products will be in agreement with the real models.

F93 Fluorescent Spectrophotometer

Application:

Fluorescent spectrophotometry is a kind of modern spectrophotometry with high sensitivity and selectivity. It can offer the information of excitation & emission spectrum, light emitting intensity & life, fluorescence polarization etc. and a wide linear range of operating curve, so that it has become an important means involved in trace analysis.

It can be applied to the fields below:

* Medical & clinical tests-Clinical analysis of biogenic testing material.
* Pharmaceutics & pharmacology-Natural pharmacon analysis, pharmaceutical quality control and pharmacon metabolism research.
* Biochemistry-Minute quantity substance measurement in biological body.
* Food industry-Measurement of trace components in food.
* Pollutant analysis-Air pollution, environmental hygiene detection, food pollutants etc.
* Organic & inorganic chemistry-Analysis of trace components which can not be measured with absorptive spectrophotometry.

Features:

* Special light source with high brightness and long service life, avoiding the interference of high-voltage impulse to the instrument caused by lamp power . One time longer service life than high-pressure xenon lamp and high-pressure mercury lamp.
* Low noise and high sensitivity with well performed HAMAMATSU photomultiplier. Best instrumental S/N can reach to 1X10-9/ml(quinine slufate).
* Good thermal stability, can be used in the relatively abominable environment.

Specifications:

Wavelength Range	Ex360~600nm (with 365nm interference filters)
	Em360~650nm (With C-T monochromator)
Wavelength Accuracy	EM≤ ±2nm
Sensitivity	1X10-9 (quinine sulfate)
Linearity Error	≤ ±3.0%
Wavelength reproducibility	EM= ±1nm

F96/F96 Pro Fluorescent Spectrophotometer

The measuring sensitivity of fluorescent spectrophotometry is 2-3 order higher than that of UV VIS spectrophotometry. It can offer the information of excitation & emission spectrum, light emitting intensity & life, quantum yield rate, fluorescence polarization etc. and a wide linear range of operating curve, so that it has become an important means involved in trace analysis.

Feature:
* Whole aluminum metal alloy die-castings.
* The emission monochromator adopts 1200 line diffraction grating, its large aperture and non-spherical reflecting mirrors produces extra high sensitivity.
* High stable and long life Xenon lamp and it's power ensure high stable testing and wide range of spectrum.
* High performance photomultiplier to gain best signal-noise ratio.
* Built in SCM technology,auto 0% and auto background subtraction.
* 0-7 stage gain adjustment.
* Real time fluorescence reading and concentration printout.
* Sigle-point sample concentration direct reading ability.
* Provide 2 working modes: main unit test mode and software test mode.
* Quantitative and qulitative software with PC, full automation, three regular fuction, kinetics measurement, quantitative measurement and spectrum scan.

F96Pro Fluorescent Spectrophotometer

F96 Pro spectrophotometer Spec:

Light source	150W Xenon lamp (consumable part)
Excitation filter	Filter character: ±5nm labeled
	(An interference filter with center wavelength 365nm used as standard configuration. Users may separately purchase other dia.25mm interference filters with center wavelength within 200-850nm range.)
Emission monochromator	Emission monochromator wavelength range: (Em) 200–900nm
	Wavelength accuracy within ±1nm
	Wavelength repetition ≤0.5nm
	Emission spectrum bandwidth: 10nm
S?N ratio	S/N≥150 (Using 1cm quartz sample cell, measure the signal noise ratio of Raman spectrum of water)
Check utmost	1x10-10 g/ml sulfuric acid quinine solution
Measure linearity	>0.995
Peak value	<1.5%
Zero line drift	<0.3% (Within 10 minutes)
Upper limit change of indicating value	±1.5% (Within 10 minutes)
Power requirement	220V±22V 110V/60HZ
Dimensions	442×392×250 (mm)
Net weight	11kg
Gross weight	13kg

F96 Pro Standard Package

Main instrument	1 set
365nm filter(Preassembled)	1 pc
F96PRO software package	1 set
Power cable	1 pc
USB wire	1 pc
Instruction manual	1 copy
Product quality certificate	1 copy
Fuse (2A)	2 pcs
Fuse (5A)	2 pcs
Quartz fluorescence sample cell10mm	1 pair
Packing list	1 copy

Optional Spare Parts and Accessories
1. Fuses (2A/5A)
2. 200~850nm interference optical filter(φ25mm)
3. Quartz fluorescence sample cell10mm
4. Personal computer
5. Printer cable
6. Dedicated serial interface printer

I2 Visible Spectrophotometer

Characteristics:

* 24-bit high speed and high precision A/D conversion, and improve the sensitivity of the instrument.
* Standard scanning software can directly complete functions of Quantitative; Kinetics; Wavelength Scan; Multi Wavelength; DNA/Protein and Data processing.
* Can establish calibration curves and implement associated tests. The instrument internal can be stored 200 groups of data and 200 standard curves.
* Suspended posture optical system design, strengthen and thicken the bottom plate to eliminate the vibration or transformation's impact on the optical system.
* Automatic wavelength calibration and automatic deviation repair.
* Tungsten lamp can be changed easily, without debugging.
* Standard with PC software

Technical data:

Wavelength Range	320-1100nm
Bandwidth	2nm
Wavelength Accuracy	±0.5nm
Wavelength Reproducibility	≤0.2nm
Photometric Accuracy	±0.3%T
Photometric Repeatability	≤0.15%T
Straylight	≤0.05%T
Stability	±0.0001A/h(500nm)
Baseline Flatness	±0.0001A/h
Noise	±0.0005A
Photometric Range	0-200%T, -0.3~3A, 0-9999C
Wavelength setting mode	Automatic
Scanning speed	HI,LOW,Optional
Output	USB Port
Printer port	Parallel Port
Display	Graphic LCD(128*64)
Light Source	Tungsten Halogen Lamp
Detector	Silicon Photodiode
Power	AC 220V/50Hz or 110V/60Hz
Dimension	460*380*180mm
Weight	15Kg

SP-1920 Double Beam UV-visible Spectrophotometer

The SP-1900 is a double beam spectrophotometer. The SP-1900, which inherits strongpoint of all mature productions, and also uses the classic double-beam theory, makes the test result more precise, stable and reliable.

The SP-1900 is ideal to widely use most of test filed such as clinical laboratory, biochemical laboratory, pharmacy, petrol chemical laboratory, environmental protection and various fields of quality control.

This user's manual provides the description of the SP-1900, a list of main specifications, functions introduction and usual operations. Available accessories.

This instrument is compact, easy-to-use, and ruggedness. The large sample compartment accepts various accessories and cell from 10mm to 100mm path length. The built-in RS-232 serial interface enables the instrument to be connected to a computer.

Now we mainly export SP-1920 Spectrophotometer, which has 6.4inch touch screen for operation.

SP-1920

Technical data Package checking Instrument:

MODEL	SP-1920
Type	Double Beam Asymmetrical Vertical Test Optical Path Technology (patent) grating system 1200line/mm
Monochromator	Czerny-Turner , Focus300
Grating	45*45mm, 1800 lines/mm
dectector	High performance digital dual-detector photoelectric cell
bandwidth(nm)	0.5, 1, 2, 4
wavelength range(nm)	190-1100
wavelength display(nm)	0.1
wavelength set(nm)	0.1
wavelength accuracy(nm)	±0.3
wavelength repeatability(nm)	≤0.1
Scan speed(nm)	wavelength movespeed 6000nm/min,wavelength scan speed 10-3000nm/min
light source switch(nm)	300-360
stray light (220 & 340nm)	≤0.01%T
optical structure	double beam
Photometric mode	A (Abs) , T (%T) , Energy (E)
Photometric range	0-125%T(T) , -0.097A to 3A, 0C to 9999C(0-9999F)
Photometric accuracy	±0.3%T NIST930e standard filter
Photometric repeatability	0.1%T 0.001Abs(0-0.5Abs) 0.002Abs(0.5-1Abs)
Steability	±0.0004A/Hour (at 500nm one hour preheat)
Base line	□0.002A
Drift	0.001A/H
Display	6.4inch big touch operation screen
Operation	Touch screen
	spectrum scan
	time scan
	standard curve
	photometric analysis
Application software	win-sp5.2 for 1900 (Optional)
Signal output	USB, RS-232C
Sample compartment (mm)	225*114 (length×width)
Standard cell holder (mm)	2*10 (1 position)
Standard glass cell (mm)	10 (4pcs)
Standard quartz cell (mm)	10 (2pcs)
Power requirement	110/220VAC , 50/60Hz

Note: There may not be special notifications when the technical specification,profile and configuration changed. Please, the products will be in agreement with the real models.

L Series Split Beam UV-VIS Spectrophotometer

The L series of spectrophotometers adopt proportion double beam survey optical system, and blazed holographic gratings. They have outstanding test precision and very competitive prices.

7-inch color touch screen LCD display, Cutting-edge user interface, Powerful functions, and Easy operation.

The automated eight-position cell holder facilitates the operation under each measurement mode.

With powerful functions, the equipment shows great performance in qualitative and quantitative testing, such as:
 * Full-spectrum scanning
 * Detailed spectrum scanning
 * Time-based kinetics determination
 * GOTO λ
 * Linear regression
 * Concentration direct reading * Peak/Valley detecting * Multi-wavelength measurement

The equipment is designed with sophisticated power protection system. With high capacity of internal memory, it can store testing results, scanned images, regression equations and correction data. Therefore, it follows a fast initialization when power on.

 The instrument can be connected with dedicated printer, which can print testing results, or draw curve from spectral scanning, fixed wavelength time-based scanning, and linear regression.

 There is a USB port on the device, and UVwin8 software package is optional to order. The device can be connected to a PC, which can not only enhance the performance in data testing and spectrum scanning, but also expand the memory to save more testing results.

	L3	L3S	L6	L6S
	------	Scanning	------	Scanning
Operation and Display	7 in. Touch Screen		7 in. Touch Screen	
Wavelength Range (nm)	325-1100		190-1100	
Wavelength MPE	±0.5nm		±0.5nm	
Wavelength Repeatability	≤0.2nm		≤0.2nm	
Transmittance MPE	±0.5%T		±0.3%T	
Transmittance Repeatability	≤0.20%T		≤0.15%T	
Transmittance Measuring Range	0.0%-200.0% (T)		0.0%-200.0% (T)	
Absorbance Measuring Range	-0.301-4.000 (A)		-0.301-4.000 (A)	
Spectrum Bandwidth	2nm		2nm	
Stray Light	≤0.05%T		≤0.05%T	≤0.03%T
Drift	------	≤0.0009A/0.5h	------	≤0.0009A/0.5h
		(2h, 500nm)		(2h, 250nm\500nm)
Signal Noise	100%T Noise≤0.20%T 0%T Noise≤0.10%T		100%T Noise≤0.15%T 0%T Noise≤0.10%T	
Baseline Flatness	------	±0.002A	------	±0.002A
		(335-1090nm)		(200-1090nm)
Overall Dimensions	550*430*200 (mm)			
Gross Weight	20kg		23kg	
Software	Optional			

I8 Double Beam Spectrophotometer

Characteristics:
* Double-beam optical system.
* The Main unit and PC software can independently implement functions of Quantitative; Kinetics; Wavelength Scan; Multi Wavelength; DNA/Protein and Data Printing, PC software can complete the function of data processing.
* Suspended posture optical system design, strengthen and thicken the bottom plate to eliminate the vibration or transformation's impact on the optical system.
* 24-bit high speed and high precision A/D conversion, and improve the sensitivity of the instrument.
* The core components are imported with original packaging.
* The best optical system, based on top structure design, top technological requirements and top raw materials.
* Standard with PC software.

Spec :

Wavelength Range	190-1100nm
Bandwidth	1.8nm
Wavelength Accuracy	±0.1nm(D2 656.1NM), ±0.3nm
Wavelength Reproducibility	≤0.1nm
Photometric Accuracy	±0.2%T
Photometric Repeatability	≤0.15%T
Straylight	≤0.03%T
Stability	±0.0004A/h(500nm)
Baseline Flatness	±0.0001A
Noise	±0.0005A
Photometric Range	0-200%T, -0.3--3A, 0-9999C
Wavelength setting mode	Automatic
Scanning speed	HI,MED,LOW,Optional
Output	USB Port
Printer port	Parallel Port
Display	LCD(320*240)
Light Source	Deuterium&Tungsten Halogen Lamp
Detector	Silicon Photodiode
Power	AC 220V/50Hz or 110V/63Hz
Pacackge	625*430*210mm, 28Kg

I9 Double Beam Spectrophotometer

Characteristics:
* Double-beam optical system.
* The Main unit and PC software can independently implement functions of Quantitative; Kinetics; Wavelength Scan; Multi Wavelength; DNA/Protein and Data Printing, PC software can complete the function of data processing.
* Suspended posture optical system design, strengthen and thicken the bottom plate to eliminate the vibration or transformation's impact on the optical system.
* 24-bit high speed and high precision A/D conversion, and improve the sensitivity of the instrument.
* 0.5/1.0/2.0/4.0/5.0 bandwidth can be adjusted automatically * The core components are imported with original packaging.
* The best optical system, based on top structure design, top technological requirements and top raw materials.
* Standard with PC software.

Spec:

Wavelength Range	190-1100nm
Bandwidth	2.0nm
Wavelength Accuracy	±0.1nm(D2 656.1NM), ±0.3nm
Wavelength Reproducibility	≤0.1nm
Photometric Accuracy	±0.2%T
Photometric Repeatability	≤0.15%T
Straylight	≤0.03%T
Stability	±0.0004A/h(500nm)
Baseline Flatness	±0.0001A
Noise	±0.0005A
Photometric Range	0-200%T, -0.3--3A, 0-9999C
Wavelength setting mode	Automatic
Scanning speed	HI,MED,LOW,Optional
Output	USB Port
Printer port	Parallel Port
Display	LCD(320*240)
Light Source	Deuterium&Tungsten Halogen Lamp
Detector	Silicon Photodiode
Power	AC 220V/50Hz or 110V/64Hz
Package	625*430*210mm, 28Kg

AA320N Atomic Absorption Spectrophotometer

Characteristics A

1.   Build-in computer data processing and LCD: adopting highly integrated micro digital circuit, which is stable and reliable with the functions of integral holding, peak height and area, auto zero adjusting, deuterium lamp and background, multi-linear and nonlinear curves fitting, various parameters and working curves displayed in screen and report printing, etc. It is equipped with interface for externally linking PC.

2.   Good basic line stability: Double-beam system of optimized design can automatically compensate the light source drift and wavelength drift caused by the variation of temperature (with the function of the eliminating the affection of wavelength drift on the base line stability) and electronic circuit drift so as to reach a good basic line stability. The cathode lamp needs not be pre-heated for long time and sample can be analyzed immediately. It is the preferable instrument chosen by users to conduct analysis of multiple kinds of elements and fast analysis of samples.

3. High precision of measurement: Gas path system is equipped with precision pressure stabilizing and current stabilizing devices to reach stable flame and low noise. Specially designed fine light beam passes through the flame to ensure a high precision analytical test and low characteristic concentration

4.   Optical path of high energy: A total reflection system is adopted to eliminate color difference in full range. By means of chemical conversion, a round light spot of the light source becomes a long light spot, which enters into the slit. Therefore the light flux of double beam is enhanced.   5.   Long-life and anti-corrosive atomization system: The burner is made of new type titanium alloys, anti-corrosive and fast thermal equilibrium. It meets the requirement of measurement sensitivity without water-cooling.

6.   Multi-functional analysis mode: for methods of flame absorption, flame emission, graphite furnace atomic absorption and hydride generation.

7.   Safe and reliable gas path system: Special devices of quick gas conversion and safety protection can be used to analyze air-acetylene flame and extend the analytic elements to reach more than 60.

8.   Complete set of accessories: to be supplied with the instrument and ready for use after they are purchased.

Characteristics B

1.   Light-source system: Hollow cathode lamp power supply: with adjustable current Deuterium Lamp power supply: with fixed current

2.   Optical system: Double beam total refection system, C-T type monochromator Flashing wavelength: 250nm

3.   Flame atomization system: Inter-changeable titanium alloy burner of 10cm and 5cm slits. Gas path is equipped with pressure indication, high precision voltage stabilizing flow adjustment, fast conversion of air and nitrous oxide, gas supply cut off, power cut off, prevention of flashback and logic interlock protection devices.

4.   Signal processing: absorptance, concentration, emission and emission concentration; Standard curves: linear regression, curve fitting and multi-point standard calibration. Average value, standard deviation, relative standard deviation and correlation coefficient can be worked out. Standard curves, atomic absorption peak diagram, spectrum outline sketch, data as well as instrument parameters list and analytical reports can be displayed and printed out.

Technical Specifications

1. Working spectral range: 190-900nm
2. Wavelength accuracy: < ±0.5nm
3. Wavelength repeatability: < 0.3nm (single direction)
4. Spectrum bandwidth: 0.2nm, 0.4nm, 0.7nm, 1.4nm, 2.4nm, 5.0nm
5. Resolution: <40%
6. Base line stability: ±0.004Abs/30min
7. Characteristic concentration of copper: < 0.04mg/ml/1%
8.   Detection limit of copper: < 0.008mg/ml
9.   Background calibration ability: Greater than 30 times.
10. Standby Interface: RS 232
11. Instrument power supply: 220V, 3A, 50Hz

Accessory

Main accessories supplied with the instrument: Several decades of accessories including air compressor, one piece of (Zn or Cu or K). Gas external pipe, acetylene cylinder pressure-reducing valve and water knockout gas filter.

Optional accessories:
--GA3202 HGA graphite furnace system: Used to conduct trace and ultra-trace analysis with an absolute sensitivity of 10-10-10-12 gram.
--5cm long-life titanium burner: The necessary accessory for nitrous oxide-acetylene flame analysis.
--Hydride generator (Totally automatic): Making the characteristic concentration of As, Se, Sb, Bi, Pb, Sn, Te, Ge, In, Tl, Cd and Zn lower than ppb level with cold atomic mercury measurement method.
--Nitrous oxide reductor: The necessary accessory for nitrous oxide-acetylene flame analysis.
--Hollow cathode lamp: All specifications are available.
--Graphite tube: All specifications are available.
--Software with I/O port

Overall dimension & weight:
Shipping package dimension:
Main instrument: 1260*800*700mm   160kgs
Accessories: 530*450*1140mm   65kgs
Main Body: 1260*800*740mm 160kg   (153kg)
Accessories: 530*450*1230mm 60kg   (58kg)
Grephite furnance: 730-660-910mm 100kg   (98kg)

Flame Phometer

Feature:
* Direct concentration read-out
* Automatic Calculation of correlation coefficient
* Pre-selection of flame sizes
* Flameout protection device
* Measuring range changing
* LPG burning gas
* Air compressor including

Spec:

Model		FP640	FP6410	FP6430	FP6431	FP6432	FP6440	FP6450
Sensitivity	K	0.156ppm						
	Na	0.184ppm						
	Li	N/A	Optional	0.1 ppm	N/A	N/A	0.1 ppm	0.1 ppm
	Ca	N/A	N/A	N/A	2 ppm	N/A	2 ppm	2 ppm
	Ba	N/A	N/A	N/A	N/A	6 ppm	N/A	6 ppm
Range	K	0~100 ppm						
	Na	0~160 ppm						
	Li	N/A	Optional	0~100 ppm	N/A	N/A	0~100 ppm	0~100 ppm
	Ca	N/A	N/A	N/A	0~1000 PPM	N/A	0~1000ppm	0~1000ppm
	Ba	N/A	N/A	N/A	N/A	0~3000 ppm	N/A	0~3000ppm
Linearity	K	0.195ppm (0.39~3.12) ppm						
	Na	0.69ppm (1.15-9.2) ppm						
	Li	N/A	Optional	0.15 ppm (0.25~5) ppm	N/A	N/A	0.15 ppm (0.25~5) ppm	0.15 ppm (0.25~5) ppm
	Ca	N/A	N/A	N/A	3 ppm (5~100) ppm	N/A	3 ppm (5~100) ppm	3 ppm (5~100) ppm
	Ba	N/A	N/A	N/A	N/A	9 ppm	N/A	9 ppm
Repeatability		1% CV for 20 consecutive samples			1% CV for 20 consecutive samples			
Respond time		<8 S			<8 S			
Sample uptake		<6 L/M			<6 L/M			
Package		G.W. 22kg 770*560*390mm 0.168CBM						

GC122 Gas Chromatograph

Application Areas
1)   Trace toxics analysis, monitoring and research in environmental protection, atmosphere and water source pollution;
2)   Biochemistry, clinic application, pathology and toxicology research;
3)   Microorganism analysis and research in food ferment, and microelements analysis in beverage;
4)   Intermediate and finished product analysis in Chinese and western medicine materials;
5)   Crude oil composition analysis and control in petroleum processing, petrochemical industry, petroleum geological industry, and geological prospecting research;
6)   Component research and production control in organic chemistry and organic synthesis;
7)   Analysis and research in sanitary quarantine, labor protection, and hazard detection;
8)   Monitoring, control and research in cutting-edge science and military technologies.

Features
---Newly designed, high performance HRGC

---Double FID detectors in the basic type with wide accessory options such as GCl22-TCD thermal conductivity detector, GCl22-ECD electron capture detector, GCl22-NPD nitrogen and phosphorous detector, GCl22-FPD flame photometric detector, converter, gas sample inlet valve, etc. l In the basic type, the instrument has dual packed columns, double samplers and dual gas path system structure, which can effectively restrain baseline fluctuation and drift in real time, suitable for temperature programming analysis. The instrument can work with three types of detectors at the same time. With different detector combination in different application, the instrument can support detectors working in either cascade or paralleled connection.

---The instrument in the basic type is equipped with completed capillary analysis system and independent capillary split sampler, which includes diaphragm cleaning, split flow and auxiliary gas adjustment. It supports capillary split / split less sampler, cold on-column sampler, and 0.53mm large diameter capillary column direct sampler. It's suitable for all kinds of capillary column of various diagrams, speculations, and lengths, and made of glass or flexible silicon glass.

---The gas path of the instrument adopts high precision scale flow control valve, unloading valve and needle valve. It's easy to adjust flow capability and has better reproducibility and stability.

---The instrument supports following injection methods:
    Packed column: on-column sample injection, instantaneous vaporizing sample injection, gas sample injection
    Capillary column: split injection, split less injection, large diameter column direct injection.

---Newly developed computer aided temperature control system. It can manage the temperature control of six path heating areas at the same time, including column, ion chamber, thermal conductivity detector, capillary column sampler, packed column sampler auxiliary and standby, with high precision (less than ±0.1℃) and wide range (up to 400℃), and temperature overload and deviation is less than 2℃ or even lower.

---The column has five-phase programmed temperature control, and the highest heating rate is up to 40℃/min.

---The system has such functions as switch-off protection, temperature limit setup, temperature scanning, rapid automatic cooling, i.e. back opening door, and etc.

---Open-end computer system can apply RS-232 interface and N-2000 chromatogram workstation to achieve single path communication control and data processing.

---Large volume full lens stainless column (350mm×280mm×300mm) can support capillary column and dual packed columns at the same time. Inner-placed heating wire structure can facilitate silicon capillary column analysis

Performance Indicators:
---Temperature control range: 7℃-400℃ of room temperature (increment by 1℃)
---Temperature control objects: column, ion chamber, thermal conductivity, sampler A, sample B, auxiliary (standby)
---Temperature programming phase: five
---Temperature programming rate: 0.1℃-40℃ / min(increment by 0.1℃)

Flame Ionization Detector (FID)
---Sensitivity : M≤1*10-11g/s(sample: C16)
---Optimal test result: M≤5×10^{-12}g/s
---Baseline noise: ≤5*10^{-14}A
---Baseline drift: ≤6*10^{-13}A/h
---linear range: ≥10E6

Others :
GC122 Special Purpose Detectors

---GC122-TCD Thermal Conductivity Detector
Technology Indicators
Sensitivity: S>2500mV · ml/mg
(carrier gas H2)
(sample: n-Hexadecane)
baseline noise: ≤20 μV
linear range: ≥ 10^4

Features
Applying rhenium tungsten filament, constant current power supply, different magnifying circuit, and mini-type conductivity

---GC122-ECD Electron Capture Detector
Technology Indicators
Detection limit: Mt ≤2* 10^{-13}g/s
(sample: n-hexane σ ,-666);
baseline noise: ≤ 10 μA
linear range: ≥10^3
Features
Ni-63 radioactive source applied, up to 350℃ working temperature, very high sensitivity to halogen compounds.

---GC122-NPD Nitrogen and Phosphorous Detector
Technology Indicators
Detection limit:
nitrogen: Mt ≤ 5*10^{-11} g/S;
phosphorus: Mt ≤ 5*10^{-12} g/S
baseline nose : ≤ 4*10^{13}A
linear range : ≥10^3 Features
High stability rubidium applied, suitable for nitrogen phosphorus compound residue analysis.

---GC122-FPD Flame Photometric Detector
Technology Indicators
Detection limit:
nitrogen: Mt≤ 2x10^{-11} g/S,
phosphor: Mt ≤1×10^{-10}g/S
Baseline noise: ≤10 μV
Linear range: nitrogen≥10^3; sulphur≥10^2
Features
Dual flame structure, light-guide fiber signal transmission line applied, greatly reducing the high temperature affection on electric components, suitable for phosphorus, phosphor trace analysis.

Optional accessories:
1.   TCD
2.   FPD
3.   NPD
4.   CDP-4A data processor
5.   Software with I/O port

GC102AF/AT Gas Chromatograph

Features:

---Computer aided temperature control with high accuracy (less than ±0.1℃)

---All control and application parameters, including operation parameters of the detector, can be set up through keyboard. Functions, such as self-diagnosis, switch-off protection, document storage and transaction, limit temperature setup thermal trip valve setup, and FID auto-ignition are incorporated inside of the instrument.

--- Large-screen LCD display, supporting Chinese characters, can accurately and clearly present all temperature control setup values, actual values, TCD working electricity supply, sensitivity of FID magnifier, and etc.

---The instrument supports packed column i.e. on-column sample injection. It is compatible with such devices as instantaneous vaporizing sample injection, gas sample injection with gas sample injection valves, and 0.53mm large diameter capillary column direct sampler.

---Open-end computer system can apply RS-232 interface and N-2000 chromatogram workstation to achieve dual path communication control and data processing.

---Large capacity column (300mm×280mm×270mm) is easy to be installed with packed column and large diameter capillary column.

 Performance Indicators:

Temperature Control:

1.   Temperature control areas: gas chromatogram column, sampler, detector

2.   Temperature control range: 15-399℃ of room temperature (increment by 1℃)

3.   Temperature control accuracy: less than ±0.1℃ (measured at 200℃)

Flame Ionization Detector (FID):

1.   Detection limit: Mt≤1×10-10g/s (sample C16)

2.   Drift: ≤2×10-12A/h Thermal Conductivity Detector (TCD):

1.   Sensitivity: S≥1500mV.ml/mg (carrier gas: H2; sample: n-Hexadecane)

2.   Baseline noise: ≤20μV

3.   Baseline drift: ≤50μV/h

"Optional accessories:1. CDP-4A data processor

2. Software with I/O portGross Weight: 65kg"

Overall dimension & weight:

Shipping package dimension: 950-670-770mm

Net Weight: 45kg

GC112A Gas Chromatograph

Characteristics

1.   Brand-new designed microcomputer temperature control system of world advanced control technology. High accuracy of temperature control (optimum: ± 0.05°C), high reliability and anti-interference.

2.   Control and operating parameters (including for detectors) set up by the keyboard. Self-diagnosis system, power-fail protection, file storage and call, limited temperature setting. Accurate display of setting and actual value of temperature control of each path, bridge current of TCD, sensitivity of FID, retention and analysis time.

3.   Four paths of independent control sections: column oven, sample injector, detector and thermal conductive pond.

4.   5-ramp programmed temperature rising control. Auto-drop of temperature of column oven (auto-opening the door behind the oven) to a fast cooling.

5.   Dual FID provided with options of GC112 A-TCD, GC112A-ECD, GC 112 A-FPD and GC112A-NPD, gas sampling valve, transformation oven, absorber and pyrolysis absorber available for selection. Two detectors can be installed at the same time with high sensitivity. Short time to be stabilized and easy to clean and install nozzle.

6.   Packed column and capillary column (0.53 large diameter or small diameter) can be installed easily including a complete set of split sampling connector and tailing connector to be installed free of charge. Optional 0.53mm large diameter capillary direct sampler is available for choice. 7. Analysis can be conducted in packed or capillary column with multiple sampling methods.

8.   Packed column: on-column sampling, instantaneous vaporized sampling and gas sampling.

9.   Capillary column: split sampling and 0.53mm large diameter capillary direct sampling.

10.   Construction of dual gas path, dual sample injector and dual packed column system can effectively avoid baseline undulation and drift in real time and facilitate programmed temperature rising analysis. Accurate and scaled type gas path control valves will provide a high repeatability and stability.

11.   Advanced functions: auto ON/OFF temperature control system, permanent data storage, file storage and call and over-temperature protection.

12.   Large volume column (300x280x270) can hold capillary column and dual packed column. Built-in heating filament structure is in favor of quartz capillary analysis. 13. A complete set of accessories including purifier, pressure-reducing valve, gas path tube, wrench and tools, injection needle and connectors of all kinds are provided free of charge and are ready to connect with supply-air system prepared by users.

Specifications:

---Temperature control

Control range   7°C - 400°C above room temperature. (increment of 1°C)
Control objects   column oven, detector, thermal conductive pond and sample injector
Programmed temperature rising   5 ramps
Rate of programmed temperature rising   0.1°C -40°C (increment of 0.1°C)
Thermostatic time 0-655 min (increment of 1 min)

---FID Sensitivity (minimum testability)   M<5*10-11 g/s (sample: C16)
Optimum testing result   M<1′10-11 g/s
Noise <5*10-14 A
Drift   <6*10-13 A/h
Linear range >106

---TCD
Sensitivity: >2000mV.ml/mg
Noise <20µV
Drift <30µV
Linear range >104

---FPD
Sensitivity (minimum testability) <2*10-11 g (P)/s (sample P in the parathion methyl)
                          Optimum testing result: <3.8*10-12 g (P)/s.
Sensitivity (minimum testability) <1*10-10 g (S)/s (sample: S in the parathion methyl)
                     Optimum testing result: <2.7*10-11 g (S)/s
Linear range >103 (sample P parathion)
           >102 (sample S parathion)
Stability <30µV/h
Noise <10µV
Starting time   not greater than 2 hours

---NPD
Sensitivity (minimum testability)   Dt(N)<5pg (N)/s
                          Optimum testing result: 0.5ppm
Sensitivity (minimum testability)   Dt(P) <0.5pg (P)/s
                          Optimum testing result: 0.2ppm

Drift   <8*10-13 A/h
Noise <5*10-13 A
Linear range >103
Max application temperature   360°C

Optional accessories:
1. TCD   2. FPD   3. NPD
4. CDP-4A data processor   5. Software with I/O port

Overall dimension & weight:Package dimension:
 850*680*750mm
Net Weight: 50kg

PH Meter
Conductivity Meter
Automatic Potential Titrator
Ion Analyzer
D.O.Analyzer
Multi-Parameter.Analyzer

PHSJ-5 PH Meter

Spec:

		PHSJ-5
Parameters		pH/mV(ORP)℃
Range	pH/pX	-2.000 ~ 18.000
	Mv	±1999.99
	Temperature	-5.0 ~ 105.0℃
Reso-lution	pH/pX	0.1/0.01/0.001
	Mv	0.1/0.01
	Temperature	0.1℃
Accu-racy	pH/pX	±0.002±1 bit
	mv	±0.03%FS
	Temperature	±0.2℃±1 bit
Stability		(±0.002ph±1 bit)/3h
Temp Compensation		Manual/Auto -5.0 ~ 105.0℃
Calibration points		pH:up to five;
Butter recognition		Automatic:USA/NIST
Data Storage		200 data with time-and-date
View,delete and print		Yes
Display		Touch,big LCD screen
Output		RS-232,USB
Software		1.1DC
Power		AC(220±22)V;(50±1)Hz
Case outside serial No.		WXS-A009-1
Dimension(mm),Weight(kg)		250*195*100, 2Kg

PHSJ-4A/4F/3F PH Meter

		PHSJ-4A	PHSJ-4F	PHSJ-3F
Parameters		pH/mV(ORP)℃		
Range	pH/pX	0.000 ~ 14.000	-2.000 ~ 20.000	-2.000 ~ 20.000
	Mv	-1999.9 ~ 1999.9	-1999.9 ~ 1999.9	-1999 ~ 1999
	Temperature	-5.0 ~ 105.0	-5.0 ~ 110.0	-5.0 ~ 135.0
Reso-lution	pH/pX	0.1?0.01?0.001		0.01pH
	Mv	0.1		1
	Temperature	0.1		
Accu-racy	pH/pX	(±0.005pH±1 bit)/3h	(±0.002pH±1 bit)/3h	(±0.01pH±1 bit)/3h
	mv	±0.2(in±399.9mV range);± 0.03%FS(in other range)	±0.03%FS	±0.1%(FS)
	Temperature	±0.3℃±1 bit	±0.2℃±1 bit	
Stability		(±0.005ph±1 bit)/3h	(±0.002ph±1 bit)/3h	(±0.01ph±1 bit)/3h
Temp Compensation		Manual/Auto (-5.0 ~ 105.0)℃	Manual/Auto (-5.0 ~ 110.0)℃	Manual/Auto (-5.0 ~ 135.0)℃
Calibration		May select 5 standard buffer solution for one and two-point calibration		
GLP standard		–	yes	
Data Storage		200 data with time-and-date	500 data with time-and-date	200 data with time-and-date
View,delete and print		Yes		
Epuipotential adjustment		Yes		
Display		LCD		
Communication interface		RS-232	USB	
Software		REX		
Power		AC(220±22)V;(50±1)Hz		
Case outside serial No.		Universal power adapter (9V DC,500mA,inside-positive,outside-nega-tive)	Universal power adapter (9V DC,800mA,inside-positive,outside-nega-tive)	
Dimension(mm),Weight(kg)		WXS-A001-1 Kg	WXS-A010-3Kg	
		290X200X70,1 Kg	280X215X92,1Kg	

PHS-3C PH Meter

		PHS-3C	PHS-3E
Parameters		pH/mV(ORP)	pH/mV(ORP)/℃
Range	pH	0.00 ~ 14.000	-2.00 ~ 18.00
	Mv	±1999	
	Temperature	–	(0.0 ~ 99.9)℃
Reso-lution	PH	0.01	
	Mv	1	
	Temperature	–	0.1
Accu-racy	pH	±0.01±1 bit	
	mv	±0.1%FS	
	Temperature	–	±0.3℃±1 bit
Stability		(±0.01ph±1 bit)/3h	
Temp Compensation		Manual: 0.0 ~ 60.0℃	Manual/Auto: 0.0 ~ 99.9℃
Calibration		up to two	
Butter Recognition		Automatic:4.00,6.86,9.18	
Display		LCD;dual parameter	
Power		AC(220±22)V;(50±1)Hz	
Case outside serial No.		WXS-A008-1	
Dimension(mm),Weight(kg)		300*220*90,1.3 Kg	

PHS-3G PH Meter

Functions:

* Large screen, LCD display,dual parameter.

* Automatic buffer recognition and two-point calibration

* It has the function of manual temperature compensation.

* The instrument is equipped with electromagnetic mixing.

* It is equipped with E-201-C-Q9 pH combined electrode.

		PHS-3G
Parameters		pH/mV(ORP)
Range	pH	-2.0 ~ 19.99
	mV	±1999
Reso-lution	pH	0.01
	mV	1
Accu-racy	pH	±0.01±1 bit
	mV	±0.1%FS
Stability		(±0.01ph±1 bit)/3h
Temp Compensation		Manual 0.0 ~ 60.0℃
Calibration points		pH:up to two
Butter recognition		Automatic:4.00,6.86,9.18
Display		LCD,dual parameter
Stir		Electromagnetic stirring
Power		AC(220±22)V;(50±1)Hz
Case outside serial No.		WXS-A010-2
Dimension(mm),Weight(kg)		210X320X90,2

PHS-2F/PHS-25 PH meter

		PHS-2F	PHS-25
Parameters		pH/mV(ORP)	
Range	pH	0.00 ~ 14.00	
	mV	±1400	
Reso-lution	pH	0.01	
	mV	1	
Accu-racy	pH	±0.01±1 bit	±0.05±1 bit
	mV	±2	±1%FS
Stability		(±0.01ph±1 bit)/3h	(±0.05ph±1 bit)/3h
Temp Compensation		Manual 0.0 ~ 60.0℃	
Calibration points		up to two	
Display		3 1 /2 LED	LCD
Power		AC(220±22)V;(50±1)Hz	Digital display: DC 6V,300mA
Case outside serial No.		WXS-A000-1	WXS-A005-1
Dimension(mm),Weight(kg)		290X210X95, 1.5	220X160X65, 1.0

Bench Top PH Meter 6175

6175 benchtop pH meter is the successor of the popular 6173 benchtop pH meter. While the large LCD display and easy of use remains firmly in place, model 6175 now offers 0.1 mV resolution for ISE applications and a streamlined look.

This pH benchtop is RoHS compliant.

* Large LCD display
* High 0.1 mV resolution
* Automatic buffers recognition of US and NIST buffer sets
* Displays electrode efficiency with electrode offset recognition and electrode slope recognition
* Built in buffer temp. Coefficient
* Stores calibration data in memory so meter is available for use on power up
* Automatic / manual temperature compensation Automatic lock mode and end point sensing lock stable readings
* AC adapter or battery powered (with low battery indicator)
* RoHS compliant

Spec:

	Range	Resolution	Accuracy
pH	-0.00 to 14.00 pH	0.01pH	± 0.01 pH
ORP	-1999.9 to 1999.9 mV	0.1 mV	± 0.4 mV (-1500.0 to 1500.0); ± 1 mV (-199.9 to 1500.0 and 1500.0 to 1999.9 mV)
Temp	-0.0 to 100.0 °C	0.1 °C	± 0.2 °C

* pH temp compensation: Auto/manual -0.0 to 100.0 °C
* pH buffer recognition: (4.01,7,10.01) or (4.00,6.86,9.18)
* pH buffer temp. range: 0 to 50 °C
* pH electrode offset recognition: ±1.5 pH
* pH electrode slope recognition: ±30%
* Input impedance: >10exp(13) ohms
* Calibration backup: Yes
* Audio feedback: All touch keys
* End point sensing & hold: Yes
* LCD size (ph/mV:temp): 16 mm: 21 mm high LCD
* Ambient temp. range: 0 to 50 °C
* Relative humidity: Up to 90%
* ATC probe: Thermistor,10k ohm
* Power supply: Batteries or AC adapter
* Weight: 504 grams (batteries included)
* Dimensions (w x d x h): 150 x 203 x 72 mm

PHB-4/PHBJ-260 Portable PH Meter

PHB-4

PHBJ-260(IP65)

		PHBJ-260	PHB-4
Parameters		pH/mV(ORP)°C	pH/mV(ORP)
Range	pH	0.00 ~ 14.00	
	mV	±1800	±1400
	Temperature	-5.0 ~ 105.0°C	–
Reso-lution	pH	0.01	
	mV	1	
	Temperature	0.1°C	–
Accu-racy	pH	±0.01±1 bit	±0.03±1 bit
	mV	±0.1%FS	±0.2%FS
	Temperature	±0.3°C±1 bit	–
Stability		(±0.01pH±1 bit)/3h	(±0.03pH±1 bit)/3h
Temp Compensation		Manual/Auto: -5.0 ~ 105.0°C	Manual: 0.0 ~ 60.0°C
Calibration		May select 5 standard buffer solution for one and two-point calibration	two-point calibration
Data storage		200 data points with time-and-date stamp	–
View,delete and print		Yes	–
Epuipotential adjustment		Yes	–
Display		Backlit LCD	
Under-voltage instructinon		Yes	–
Out put		RS-232	–
Software		1.1DC	–
Housing		IP65	–
Power		Four AA batteries	Two AA batteries
Case outside serial No.		WXS-A006-1	WXS-A004-1
Dimension(mm),Weight(kg)		210X86X50, 0.5	170X75X30, 0.5

Portable Type PH Meter 6010M/6010N (Ip65)

* Simultaneous displays pH or mV and temperature.
* 50 data set reviewable memory (6010M only).
* Convenient calibration with automatic buffer recognition of US and European buffer sets. Calibration data is stored in memory and ready for use on power up.
* Automatic or manual temperature compensation.
* Automatic lock mode and end point sensing are available to lock in stable readings.
* Automatic shutoff function (30 minutes of non-use).
* Battery life over 1000 hours.
* IP65 waterproof
* Low battery indicator.
* RoHS and CE compliant.

Spec:

Range	Resolution	Resolution	Accuracy
Conductiv ity	-2.00 to 16.00pH	0.01pH	±0.01±1 digit
Resolution	-1999 to +1999mV	1mV	±0.1%
Accuracy	-10.0 to 120.0 °C	0.1 °C	±0.01 to 1 digit

* pH Buffer Recognition: US (4.01,7.00,10.01) and NIST (4.00,6,86,9,18),user selectable
* pH Electrode Offset Recognition: ±90mV at pH 7.00 or 6.86
* pH Electrode Slope Recognition: ±30% at pH 4.00,4,01,9.18 or 10.01
* pH Calibration: 2 point
* pH Temp Compensation: Auto /manual -10.0 to 120.0 °C
* Input Impedance : >10(exp) 13 ohms
* Power: 9Volt battery
* Operating Ambient Conditions: From 0 to 50°C, at 90% RH
* Weight:/Dimensions(W x D x H): 260gm,(batteries included)/70mm*198mm*37mm

Portable Type PH Meter 6810 (Ip67)

VisionPlus pH6810 is an easy to use, IP67 rated pH meter with mV and temperature readout. Key features include an IP67 rated body, 2 or 3 point calibration, electrode efficiency and manual/automatic temperature compensation.
VisionPlus pH6810 is RoHS compliant.

Large LCD with dual display of pH and temperature or ORP and temperature
IP67 rated water-proof and dust-proof case (optional 3-in-1 pH/ref/temperature electrode is fitted with special connectors that maintains IP67 rating)
2 or 3 point calibration
Manual or automatic temperature compensation
US or NIST buffer sets
Electrode efficiency in percentage
End-point sensing and auto-lock
Dedicated operation buttons with audio feedback
Protective, shock-proof rubber boot

Spec:

	Range	Resolution	Accuracy
pH	-2.00 to 16.00 pH	0.01pH	± 0.1% ± 1 LSD
ORP	-1999 to 1999 mV	1 mV	± 0.1% mV ± 1 LSD
Temp	-10.0 to 120.0 °C	0.1 °C	±0.5 °C

* pH buffer recognition: pH 7.00, 4.01, 10.01 or pH 6.86, 4.00, 9.18
* pH Temperature compensation: auto or manual -10.0°C to 120.0 °C
* pH buffer temperature range: 0°C to 60.0°C
* pH electrode offset recognition: ±90 mV at pH 7.00 or 6.86
* pH electrode slope recognition: ±30% at pH 4.00, 4.01, 9.18 and 10.01
* Input impedance: >10 exp(12) Ohms
* Temperature sensor: thermistor, 10 k Ohms at 25°C
* Power: 4 "AAA" batteries
* Battery life: ~1000 hours
* Calibration back-up: EEPROM
* Audio feedback: all keys
* End point sensing & hold: yes
* Display (pH /mV : temp): 11mm : 7mm high LCD
* Ambient temperature range: 0 to 50 °C
* Relative humidity: up to 90%
* Case: IP67 water-tight case
* Dimensions (W x D x H): 75mm x 157mm x 35mm
* Weight: 230 grams (batteries included)

DDSJ-308A/DDS-307A/DDS-307 Benchtop Conductivity Meter

DDSJ-308A   DDSJ-307A

Parameters		DDSJ-308A	DDS-307A	DDS-307
		Conductivity/TDS/Salinity/℃	Conductivity/TDS/℃	Conductivity
Range	Conductivity	0.000μS/cm ~ 199.9mS/cm	0.00μS/cm ~ 100mS/cm	
	TDS	0.000mg/L ~ 99.9g/L	0 ~ 1000mg/L	–
	Salinity	0.00 ~ 8.00%	–	
	Temperature	-5.0 ~ 105.0℃	0.0 ~ 60.0℃	–
Reso-lution	Conductivity	0.001μS/cm	0.01μS/cm	
	TDS	0.001mg/L	1mg/L	–
	Salinity	0.01%	–	
	Temperature	0.1℃		–
Accu-racy	Conductivity	±0.5%FS		
	TDS	±0.5%FS	±1.0%FS	–
	Salinity	±0.1%	–	
	Temperature	±0.3℃±1 bit		–
Stability		(±0.3%(FS))/3h	(±0.33%(FS))/3h	
Temp Compensation		Manual/Auto: 0.0 ~ 50.0℃	Manual/Auto: 0.0 ~ 40.0℃	Manual 15.0 ~ 35.0℃
Temp coefficient		Adjustable	2%	
Calibration		May calibrate electrode constant or TDS factor	–	
Data storage		200 data with time-and-date stamp	–	
View,delete and print		Yes	–	
Display		Backlit LCD	LCD dual parameter	3 1/2 LED
Out put		RS-232	–	
Software		1.1DC	–	
Power		Universal power adapter (9V DC,300mA, inside-positive,outside-nega-tive)	AC(220±22)V;(50±1)Hz	
Case outside serial No.		WXS-A001-1	WXS-A008-1	
Dimension(mm),Weight(kg)		290X200X70, 1	300X220X90, 1.3	

Cell constant and correspondent conductive measuring range (DDSJ-308A and DDBJ-350 conductivity meter)				
Cellconstant(K)(cm^{-1})	0.01	0.10	1.0	10.0
Measuring range For solutions	(0.000 ~ 19.99)μS/cm	(2.00 ~ 199.9)μS/cm	20.0μS/cm ~ 19.9mS/cm	200μS/cm ~ 199.9mS/cm

Cell constant and correspondent conductive measuring range (DDS-307A,DDS-307 and DDB-303A conductivity meter)				
Cellconstant(K)(cm^{-1})	0.01	0.10	1.0	10.0
Measuring range For solutions(μS/cm)	0.0 ~ 2.0	0.2 ~ 20.0	2 ~ 1X10^4	1X10^4 ~ 1X10^5

DDSJ-318 Benchtop Conductivity Meter

		DDSJ-318
Parameters		Conductivity/Resistivity/TDS/Salinity/℃
Range	Conductivity	0.055μS/cm ~ 199.9mS/cm(full range measuring,no need to exchange electrode)
	Resistivity	5.00Ω.cm ~ 18.25MΩ.cm
	TDS	0.000mg/L ~ 100g/L
	Salinity	(0.00 ~ 8.00)%
	Temperature	-5.0 ~ 135.0℃
Reso-lution	Conductivity	0.001μS/cm
	Resistivity	0.01Ω.cm
	TDS	0.001mg/L
	Salinity	0.01%
	Temperature	0.1℃
Accu-racy	Conductivity	±0.5%FS
	Resistivity	±0.5%FS
	TDS	±0.5%FS
	Salinity	±0.1%
	Temperature	±0.3℃
Temp Compensation		Manual/Auto: -5.0 ~ 135.0℃
Temp coefficient		Adjustable
Calibration		May calibrate electrode constant or TDS switch coefficient.support two-point calibration
Measuring mode		3(continuous measurement,timed measurement and balance measuring mode)
Data storage		1500 data with time-and-date for GLP compliance(to display measuring result in diagram directly)
View,delete and print		Yes
Display		Touch,big LCD screen
Out put		RS-232,USB
Software		1.1DC
Power		Universal power adapter (9V DC,800mA,inside-positive,outside-nega-tive)
Case outside serial No.		WXS-A009-1
Dimension(mm),Weight(kg)		250X195X100, 2

Bench Top Conductivity Meter 3175

EC3175 is a new conductivity meter with temperature readout, backlit LCD display, selectable cell constant and a streamlined look.

This benchtop meter is RoHS compliant.

∗ Clear, large LCD display with backlight
* Displays conductivity and temperature at same time
* Accepts 2-wire conductivity cells with adjustable k=0.1, k=1 and k=10 cell constants for improved flexibility and accuracy
* Convenient one point calibration
* Calibration data is stored in memory and is ready for use on power up
* Automatically selects one of three conductivity ranges to display readings
* Readings are automatically compensated for temperature (ATC)
* Meter automatically switches into manual compensation when temperature probe is not present
* Automatic lock mode is available to lock in stable readings
* Intuitive operation with membrane keypad with tactile and audio feedback.
* Splash resistant case is made with durable, reinforced plastic for added protection. protective covers for connectors are included
* Smaller case does not clutter valuable desk space
* 8pin DIN connector for conductivity cell & 10k thermistor
* AC adaptor or battery power

Spec:

	Range	Resolution	Accuracy
Conductivity, K=0.01	0.000 to 1.999uS/cm; 2.00 to 19.99uS/cm	0.001uS/cm; 0.01uS/cm	± 0.5% FS
Conductivity, K=0.1	0.00 to 19.99uS/cm; 2.00 to 199.9uS/cm	0.01uS/cm; 0.1uS/cm	± 0.5% FS
Conductivity, K=1	0.0 to 199.9uS/cm; 200 to 1999uS/cm; 2.00 to 19.99mS/cm	0.1uS/cm; 1uS/cm; 0.01mS/cm	± 0.5% FS
Conductivity, K=10	0 to 1999uS/cm; 2.00 to 19.99mS/cm; 20.0 to 199.9mS/cm	1uS/cm; 0.01mS/cm; 0.1mS/cm	± 0.5% FS

Conductivity
* Conductivity reference temp.: 15.0 to 25.0 °C, user selectable at 0.1 °C increment
* Conductivity temp. coefficient: 0.00 to 4.00 %, user selectable at 0.01 % increment
* Basic cell constant: K=0.01, K=0.1, k=1.0 or k=10, user selectable

Other
* Power supply: 6 x AAA batteries or 115/230 V AC adapter
* Calibration backup: Yes
* Audio feedback: All touch keys
* End point sensing & hold: Yes
* Auto ranging: Yes
* Ambient temp. range: 0 to 50 °C
* ATC probe: Thermistor, 10k ohm
* Dimensions (w x d x h): 150 mm x 203 mm x 72 mm
* Weight: 504 grams (excluding batteries)

DDBJ-350/DDB-303A Portable Conductivity Meter

DDBJ-350(IP65)

DDB-303A

		DDBJ-350	DDB-303A
Parameters		Conductivity/TDS/Salinity/℃	Conductivity
Range	Conductivity	0.000µS/cm ~ 199.9mS/cm(with 5 switches)	0.00µS/cm ~ 100mS/cm(with 4 switches)
	TDS	0.000mg/L ~ 19.99g/L(with 5 switches)	–
	Salinity	(0.00 ~ 8.00)%	–
	Temperature	(0.0 ~ 40.0)℃	–
Reso-lution	Conductivity	0.001µS/cm	0.01µS/cm
	TDS	0.001mg/L	–
	Salinity	0.01%	–
	Temperature	0.1℃	–
Accu-racy	Conductivity	Ñ1.0%(FS)	
	TDS	±1.0%(FS)	
	Salinity	±0.2%	–
	Temperature	±0.3℃±1 bit	–
Stability		(Ñ0.7%(FS))/3h	
Temp Compensation		Manual/Auto: 0.0 ~ 40.0℃	Manual 15.0 ~ 35.0℃
Temp coefficient		2%	Manual adjustable
Calibration		May calibrate electrode constant or TDS factor	–
Data storage		400 data points with time-and-date stamp	–
View,delete and print		Yes	–
Display		Backlit LCD	
Under-voltage instruction		Yes	–
Out put		RS-232	–
Software		1.1DC	–
Housing		IP65	–
Power		Four AA batteries	Two AA batteries
Case outside serial No.		WXS-A006-1	WXS-A004-1
Dimension(mm),Weight(kg)		210x86x50, 0.5	170x70x30, 0.3

Portable Type Conductivity 3020M (Ip65)

* Simultaneous displays of conductivity, salinity or TDS with temperature measurements.
* 50 data set reviewable memory.
* Convenient one point calibration. Calibration data is stored in memory and ready for use on power up.
* Adjustable TDS coefficient, reference temperature and temperature coefficient.
* Uses one conductivity cell for conductivity, salinity and TDS measurements.
* Accepts 4-wire conductivity cell with K=0.475 cell constant and 2-wire K=0.1 cell constants for improved flexibility and accuracy.
* Automatic shutoff function (30 minutes of non-use).
* Battery life over 1000 hours.
* IP65 waterproof.
* Low battery indicator.
* RoHS and CE compliant.

Spec:

	Range	Resolution	Accuracy
Conductivity	0.00 to 99.99uS/cm,	0.01 uS/cm	±0.5 % FS
	100.0 to 200.0uS/cm		
	0.0 to 499.9 uS/cm	0.1uS/cm	
	500 to 4999uS/cm	1uS/cm	
	5 to 49.99uS/cm	0.01mS/cm	
	50.00 to 200.0mS/cm	0.mS/cm	
Salinity	0.0 to 70.0 ppt	0.1 ppt	±0.5% FS
Temp.	-10.0 to 90.0 °C	0.1 °C	± 0.2 °C or ±0.4%FS ,whichever is greater

* Reference temperature: From15.0 to 25 °C,default is 25.0 °C
* Temperature Coefficient: From 0.00 to 4.00%,default is 1.91%
* TDS Constant: From 0.30 to 1.00%,default is 0.65
* Electrode Type / Cell Constant: 4 wire conductivity cells :K=0.475 and 2 wireconductivity cells K=0.1
* ATC: Thermistor,10k ohm at 25°C
* Power: 9Volt battery
* Operating Ambient Conditions: From 0 to 50°C, at 90% RH
* Weight:/Dimensions(W x D x H):260gm,(batteries included)/70mm x 186mm x37mm

Portable Type Conductivity 3010M (Ip65)

* Simultaneous displays of conductivity, salinity or TDS with temperature measurements.
∗ 50 data set reviewable memory.
* Convenient one point calibration. Calibration data is stored in memory and ready for use on power up.
∗ Selectable cell constants for true wide range readings.
* Adjustable TDS coefficient, reference temperature and temperature coefficient.
* Uses one conductivity cell for conductivity, salinity and TDS measurements.
* Accepts 2-wire conductivity cells with K=0.1, 1.0 and 10.0 cell constants for improved flexibility and accuracy.
* Automatic shutoff function (30 minutes of non-use).
* Battery life over 1000 hours.
* IP65 waterproof.
* Low battery indicator.
* RoHS and CE compliant.

Spec:

	Range	Resolution	Accuracy
Conductivity	0.000 to 9.999uS/cm	0.001 uS/cm ,0.01uS/cm, 0.1uS/ccm,0.01mS/cm	±0.5 % FS
	100.0 to 400.0uS/cm		
	0.00 to 99.99uS/cm		
	100.00 to 999.9uS/cm		
	1000 to 9999uS/cm		
	10.00 to 40.00mS/cm		
	0.0 to 999.9uS/cm		
	1000 to 9999uS/cm		
	10.00 to 99.99uS/cm		
	100.0 to 400.0mS/cm		
	10.0 to 99.99uS/cm		
Salinity	0.0 to 70.0 ppt	0.1 ppt	±0.5% FS
Temp.	-10.0 to 90.0 °C	0.1 °C	± 0.2 °C or ±0.4%FS

* Reference temperature: From15.0 to 25 °C,default is 25.0 °C
* Temperature Coefficient: From 0.00 to 4.00%,default is 1.91%
* TDS Constant: From 0.30 to 1.00%,default is 0.65
* Electrode Type / Cell Constant: Two wire K=0.1, 1.0 , 10 conductivity cells ,default is 1,0
* ATC: Thermistor,10k ohm at 25°C
* Power: 9Volt battery
* Operating Ambient Conditions: From 0 to 50°C, at 90% RH
* Weight:/Dimensions(W x D x H):260gm,(batteries included)/70mm x 186mm x37mm

Pen Type PH Meter 630 (IP67)

VisionPlus pH630 is a rugged, easy to use, IP67 rated pH tester with temperature readout. Key features include IP67 rated body, automatic temperature compensation, up to 3 point calibration and replaceable electrode module. Available in degrees Celsius and degrees Fahrenheit models.

- Automatic temperature compensation
- 1, 2 or 3 point calibration
- Stores calibration data
- Replaceable electrode module
- High noise resistance
- Simultaneous display of pH and temperature
- Large temperature range
- Dedicated button for data hold
- Low battery indicator
- IP67 rated body for water-proof and dust-proof
- RoHS compliant

	Range	Resolution	Accuracy
pH	0.00 to 14.00 pH	0.01 pH	0.02 pH ± 1 LSD
Temp °C	-9.9 to 99.9 °C	0.1 °C	± 0.3 °C
Temp °F	14.2 to 99.9 °F	0.2 °F	± 0.6 °F
Temp °F	100 to 212 °F	1 °F	± 1 °F

- pH buffer recognition pH 7.00, 4.01, 10.01 or pH 6.86, 4.00, 9.18
- pH temp compensation: AUTO from -9.9 to 99.9 °C (14.2 °F to 212 °F)
- pH buffer recognition: Selectable US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.1)
- pH Electrode Offset recognition: ±100 mV at pH 7.00, +108.3 mV / -91.7 mV at pH 6.86
- pH Electrode Slope recognition: ±30% at pH 4.00, 4.01, 9.18 and 10.01
- Input impedance: >10exp(12) Ohms
- Temperature sensor: Thermistor, 10k Ohms at 25°C
- Temperature unit: Factory pre-set
- Power: LR44 x 4 Battery life: ~200 Hours
- Ambient temperature range: 0.0 to 50.0 °C
- Display(pH/TEMP): pH:7.43 mm high, TEMP:5.74 mm high

Pen Type Conductivity Ec330 (IP67)

Jenco EC330 is an easy to use, IP67 rated conductivity tester with TDS and temperature readout. Key features include dual display of conductivity or TDS with temperature, selectable or auto ranging, replaceable conductivity cell and IP67 rated body.

This tester is RoHS compliant.

Simultaneous display of conductivity and temperature, or TDS and temperature 1 or 2 point calibration Automatic temperature compensation Selectable or auto ranging of conductivity and TDS readings Replaceable conductivity cell 6 selectable units of measure (uS/cm, mS/cm, mg/L, g/L, °C, °F Data hold

Spec:

	Range	Resolution	Accuracy
Conductivity , K=1.0	0 to 1990 uS	5 uS	± 1% FS
Conductivity , K=1.0	2.00 to 19.90 mS	0.05 mS	± 1% FS
TDS, K=1.0	0 to 1000 mg/L	5 mg/L	± 1% FS
TDS, K=1.0	1.00 to 10.00 g/L	0.05 g/L	± 1% FS
Temp °C	0.0 to 99.5 °C	0.5 °C	± 0.5 °C
Temp °F	32 to 212 °F	1 °F	± 1 °F

- Temp compensation: Automatic from 0.0 to 60.0 °C
- Temp coefficient: 1.91% / °C
- Reference temp: 25 °C
- TDS constant: 0.50
- Calibration: 1 or 2 point (1415uS at 0~1999uS/cm range; 12.90mS at 0~19.99mS/cm range)
- Electrode type / cell constant: Two wire conductivity cell / 1.0
- Temp sensor: Thermistor, 10k ohms, at 25 °C
- Temp unit: °C and °F
- Display: LCD
- Power: LR44 x 4 batteries
- Battery life: >100 hours
- Auto power off: After 10 minutes of inactivity
- Case: IP-67 dust-proof and water-proof up to 1 meter
- Weight: 105 grams (Including batteries)
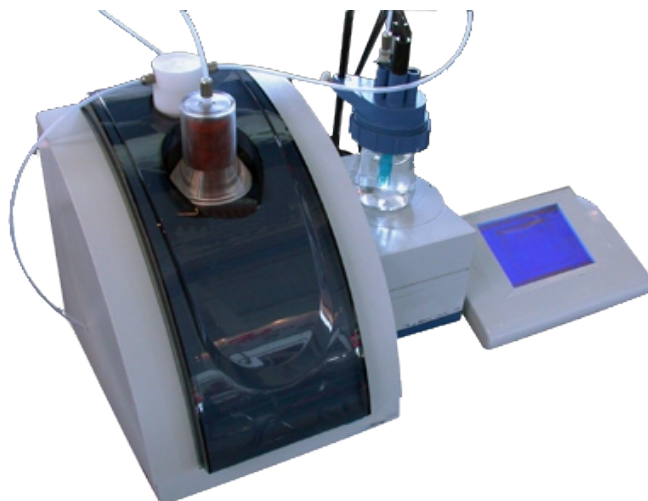- Dimensions (W x D x H): 19.3cm x 4.4cm x 2.5cm

Pen Type Conductivity Ec331 (IP67)

Jenco EC331 is an easy to use, IP67 rated conductivity tester with resistivity and temperature readout. Key features include dual display of conductivity or resistivity with temperature, selectable or auto ranging, replaceable conductivity cell and IP67 rated body.

This tester is RoHS compliant.

* Simultaneous display of conductivity and temperature, or resistivity and temperature
* Convenient 1 point calibration
* Automatic temperature compensation
* Selectable or auto ranging of conductivity and resistivity readings
* Replaceable stainless steel conductivity cell ensures extended usefulness
* 4 selectable units of measure (uS/cm, MΩ, °C, °F
* Battery life of over 100 hours
* Data hold

Spec:

	Range	Resolution	Accuracy
Conductivity	0.1 to 199.9 uS	0.1 uS	± 1% FS
Resistivity	1.0 to 20.0 MΩ	0.1 MΩ	± 1% FS
Temp °C	0.0 to 99.5 °C	0.5 °C	± 0.5 °C
Temp °F	32 to 212 °F	1 °F	± 1 °F

* Temp compensation: Automatic from 0.0 to 60.0 °C
* Temp coefficient: 1.91% / °C
* Reference temp: 25 °C
* Calibration: 1 point (147 uS at 0~199.9 uS/cm range; 12.90mS at 0~19.99mS/cm range)
* Temp sensor: Thermistor, 10k ohms, at 25 °C
* Temp unit: °C and °F
* Display: LCD
* Power: LR44 x 4 batteries
* Battery life: >100 hours
* Auto power off: After 10 minutes of inactivity
* Case: IP-67 dust-proof and water-proof up to 1 meter
* Weight: 105 grams (Including batteries)
* Dimensions (W x D x H): 19.3cm x 4.4cm x 2.5cm
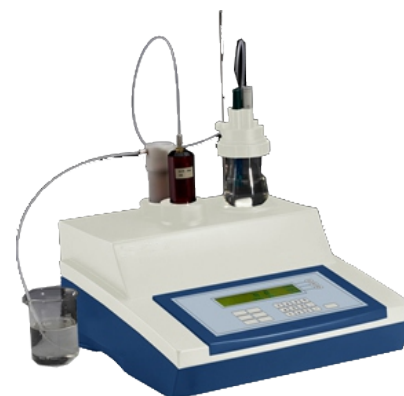
ZD-2 Automatic Potential Titrator

	ZD-2
Parameters	mV(ORP)/Ph
Measuring Range	±1400mV,0.00～14.00pH
Resolution	1mV,0.01pH
Accuracy	±5mv,±0.03pH±1 bit
Control Titration Sensitive	±5mv,±0.1pH
Stability	±0.01pH/3h
Titration mode	Manual,automatic,constant Ph(potential) titration
Display	LCD
Application	Pltential titration to laboratory volumetric analysis
Power	AC(220±22)V;(50±1)Hz
Case outside serial No.	WXS-A010-1
Dimension(mm),Weight(kg)	300x235x100,3

ZDJ-5 Automatic Potential Titrator

			ZDJ-5
Mea-suring Unit	Potential(included)	Measuring range	±1999.0mV,0.00 ~ 14.00pH
		Resolution	0.1mV,0.01pH
		Accuracy	±0.3%FS,±0.01pH±1 bit
	Constant(optional)	Measuring range	(0 ~ 199.9)µA, (0 ~ 19.99)µA, (0 ~ 1.999)µA, (0 ~ 0.199)µA
		Polarization voltage	30mV, 50mV, 100mV
		Accuracy	Control titration sensitive:±5%FS;Polarized current inspection error:±2.5%FS
	Conductivity(optional)	Measuring range	0.000µs/cm ~ 199.9mS/cm
		Resolution	0.001µs/cm
		Accuracy	±1.0%(FS)
	Temperature	Measuring range	-5.0 ~ 105.0℃
		Resolution	0.1℃
		Accuracy	±0.3℃±1 bit
Cylin-der and valve system	Volumetric titration unit could be replaced by coulometric titration unit	Trtration analysis of repetitive	0.2%
		Trtration volumetric of accuracy	10ml butette:±0.025ml;20ml burette:±0.035ml
		Resolution of butette	10ml butette:1/10000;20ml burette:2/10000
		Infusion or supplementary speed of burette	(50±10)s (when burette is full scale)
Control device	Large,touch LCD screen		Easy to operate
	Computer software control		Could make titration analysis on computer's virtual titration operational interface and achieve remote control
Stability			(±0.3mV±1 bit)/3h
Unit design			Could achieve potential titration, conductivity titration and constant titration through different unit combination
Titration mode			With pre-titration,preselected endpoint titration,blank titration or manual titration function.Could automatically generate specific titration mode
Calibration			Up to two
Data storage			Could store titration curve and data
View,delete and print			Yes
Display			Big,touch LCD screen/replacement of cumputer software to display all experimental inflection point and derivative map
Stirring system			PWM technology(adjustment of software,low noise)
Out put			RS-232(bi-directional)
Software			Specific titration software to achieve replacement of control device by computer,to display titration curve and measuring data online.With edit titration method,calculate result,store titration curve,database processing and statistic functions
Power			AC(220±22)V;(50±1)Hz
Case outside serial No.			WXS-A004-3
Dimension(mm),Weight(kg)			360x300x300, 10

ZDJ-4A Automatic Potential Titrator

		ZDJ-4A
Parameters		pH/mV(ORP)/℃
Range	pH	0.00～14.00
	mV	±1800.0
	Temperature	-5.0～105.0℃
Reso-lution	pH	0.01
	mV	0.1
	Temperature	0.1℃
Accu-racy	pH	±0.01±1 bit
	mV	±0.03%(FS)
	Temperature	±0.3℃±1 bit
Cylin-der and valve system	Trtration analysis of repetitive	0.2%
	Control titration sensitive	±2mV
	Titration volumetric of accuracy	10ml butette:±0.025ml;20ml butette:±0.035ml
	Resolution of burette	10ml butette:1/10000;20ml burette:2/10000
	Infusion or supplementary speed of burette	(50±10)s (when burette is full scale)
Stability		(±0.3mV±1 bit)/3h
Titration mode		With pre-titration,preselected endpoint titration,blank titration or manual titration function.Could automatically generate specific titration mode
Calibration		Up to two
Display		LCD
Stirring system		PWM technology(adjustment of software,low noise)
Out put		RS-232(bi-directional)
View,delete and print		Yes
Software		Specific titration software enable display titration curve on computer timely,store data,make comparative analysis and statistical analysis of result.Could edit and amend the titration mode to achieve remote operation.
Power		AC(220±22)V;(50±1)Hz
Case outside serial No.		WXS-A002-1
Dimension(mm),Weight(kg)		340x400x400,10

PXSJ-226/PXSJ-216/PXB-286 Ion Meter

PXSJ-226

PXSJ-216

		PXSJ-226(Benchtop)	PXSJ-216(Benchtop)	PXB-286(Portable)
Parameters		pX/ion concentration/mV(ORP)℃		
Range	pX	0.000 ~ 14.000		0.00 ~ 14.00
	mV	±1999.99	±1800	
	Ion Concentration	(0 ~ 19990), unit:ug/L, mg/L, g/L, mol/L, mmol/L		
	Temperature	-5.0 ~ 105.0℃		0.0 ~ 60.0℃
Reso-lution	pX	0.001		0.01
	mV	0.01	0.1	1
	Temperature	0.1℃		
Accu-racy	pX	px l:±0.002±1 bit, pxll:±0.005±1 bit	±0.005±1 bit	±0.01±1 bit
	mV	±0.03%FS		±0.1%FS
	Ion Concentration	±0.5%±1 bit		–
	Temperature	±0.2℃±1 bit	±0.3℃±1 bit	
Ion Mode		Support multiple common ion mode (such as H, Ag, Na, K, NH4, Cl, Fetc...),Custom ion mode		pH/pX/pF/pCl
Calibration		Up to five Custon Buffer group	Up to five	Up to two
Buffer Recognition		Automatic:10 Buffers	–	
Data storage		350 data with time-and-date stamp	200 data with time-and-date stamp	400 data with time-and-date stamp
View,delete and print		Yes		
Temp Compensation		0.0 ~ 60.0℃		
Display		Touch,big LCD screen	LCD	Backlit LCD,display signs with battery energy storage.
Out put		RS-232	RS-232	–
Software		1.1DC		–
Housing		–		IP65
Power		AC(220±22)V;(50±1)Hz	Universal power adapter (9V DC,500mA,inside-positive,outside-nega-tive)	Four AA batteries
Case outside serial No.		WXS-A009-1	WXS-A001-1	WXS-A006-1
Dimension(mm),Weight(kg)		250X195X100, 2	290X200X70, 1	210X86X50, 0.5

JPBJ-608/JPB-607A Portable Dissolved Oxygen Meter

JPBJ-608

JPB-607A

		JPBJ-608	JPB-607A
Parameters		Conductivity/Saturation/℃	Conductivity/℃
Range	DO	0.00～19.99mg/L	0.0～20.0mg/L
	DO saturation	0.0～199.9%	–
	Temperature	0.0～40.0℃	
Accu-racy	DO	±0.50mg/L	±0.30mg/L
	DO saturation	±10%FS	–
	Temperature	±0.5℃	
Stability		(±0.10mg/L)3h	
Response Time		≤45S(90%respond at 20℃)	
Residual Current		≤0.10mg/L	
Temp Compensation		Automatic:0～40℃	
stability Calibration		Yes	0.0～35.0g/L
Zero offset,Full Scale Calibration		Yes	
Barometric pressure		Yes	–
Data Storage		500 data with time-and-date stamp	–
View,delete and print		Yes	–
Display		Backlit LCD with operation indication	Backlit LCD
Under-voltage indication		Yes	–
Output		RS-232	–
Software		1.1DC	–
Housing		IP65	–
Power		Four AA batteries	Two AA batteries
Case outside serial No.		WXS-A006-1	WXS-A004-1
Dimension(mm),Weight(kg)		210X86X50，0.5	165X75X30，0.3

JPSJ-605 Benchtop Dissolved Oxygen Meter

		JPSJ-605
Parameters		Conductivity/Saturation/℃
Range	DO	0.00～20.00mg/L
	DO saturation	0.0～200.0%
	Temperature	-5.0～105.0℃
Accu-racy	DO	±0.30mg/L
	DO saturation	0.10%
	Temperature	0.1℃
Stability		(±0.20mg/L)1h
Response Time		≤45S(90%respond at 20℃)
Residual Current		≤0.10mg/L
Temp Compensation		Automatic:0.0～40.0℃
stability Calibration		0.0～40.0g/L
Barometric Pressure Calibration		77.0～110.0k Pa
Zero offset,Full Scale Calibration		Yes
Data Storage		150 data with time-and-date stamp
View,delete and print		Yes
Display		LCD
Output		RS-232
Software		1.1DC
Power		Universal power adapter (9v,500mA inside-positive,outside-negative)
Case outside serial No.		WXS-2001-1
Dimension(mm),Weight(kg)		290x200x70,1

Portable Type D.O Meter 9010M/9020M (Ip65)

Simultaneous display of dissolved oxygen and temperature measurements.
50 data set reviewable memory.
Automatic temperature compensated (ATC) dissolved oxygen readings.
User selectable salinity and pressure compensated dissolved oxygen readings.
Works with accurate and reliable polarographic (9010M) or galvanic (9020M) dissolved oxygen probes.
Automatic shutoff function (45 minutes of non-use).
Battery life over 500 hours.
IP65 waterproof housing.
 Low battery indicator.
RoHS and CE compliant

Spec:

	Range	Resolution	Accuracy
Dissolv ed O2 (ppm)	0.00 to 20.00 ppm	0.01ppm	± 0.5%FS
Dissolv ed O2 (%)	0.0 to 200.0%	0.10%	± 0.5%FS
Temperature	-6.0 to 46.0 °C	0.1°C	± 0.3°C±1digit

* Pressure Compensation: 600 to 1100m Bar
* Salinity Compensation: From 0.0 to 40.0ppt
* Electrode Type: Polarographic (9010M) or Galyanic (9020M)
* ATC: Thermistor ,10K ohms at 25°C
* Calibration Backup: Yes
* Automatic Temperature Compensation: Yes
* Power :9Volt battery
* Operating Ambient Conditions: From 0 to 50°C ,at 90% RH
* Weight /Dimensions : 260 grams (Including batteries) / 70mm x 198mm x 37mm

DZS-708 Benchtop Multi-Parameter Meter

		DZS-708	DZS-708-A	DZS-708-B	DZS-708-C
Parameters		Conductivity/DO/pH/pX/℃	Conductivity/pH/pX/℃	DO/pH/pX/℃	Conductivity/DO/℃
Range	pH/pX	-2.000 ~ 19.999	●	●	–
	ORP	±1999.99mV	●	●	–
	Conductivity	0.000μS/cm ~ 199.9mS/cm	●	–	●
	Resistivity	0.00Ω.cm ~ 20.00MΩ.cm	●	–	●
	TDS	0.000mg/L ~ 19.99g/L	●	–	●
	Salinity	0.00 ~ 8.00%	●	–	●
	DO	0.00 ~ 19.99mg/L	–	●	●
	DO saturation	0.0 ~ 199.9%	–	●	●
	Response time	≤45S(90%respond at 20℃)	–	●	●
	Ion Concentration	(0 ~ 19990),unit:ug/L, mg/L, g/L, mol/L, mmol/L	●	●	–
	Temperature	-5.0 ~ 135.0℃	●	●	●
Reso-lution	pH/pX	0.01/0.001	●	●	–
	ORP	0.1/0.01mV	●	●	–
	DO	0.01mg/L	–	●	●
	DO saturation	0.10%	–	●	●
	Temperature	0.1℃	●	●	●
Accu-racy	pH/pX	±0.002±1 bit	●	●	–
	ORP	±0.03%FS	●	●	–
	Conductivity	±0.5%FS	●	–	●
	TDS	±0.5%FS	●	–	●
	Salinity	±0.1%	●	–	●
	DO	±0.50mg/L	–	●	●
	DO saturation	±10.0%	–	●	●
	Temperature	±0.5℃±1 bit	●	●	●
Temp Compensation		Auto,pH:(0.0 ~ 100.0)℃; Conductivity:(0.0 ~ 100.0)℃; DO:(0.0 ~ 40.0)℃;	●	●	●
GLP Standard		Yes	●	●	●
Ion Mode		Provide multiple common ion mode (such as H, Na, K, NH4, Cl, F etc…), Custom ion mode	●	●	–
Measuring Mode		3(continuous measuring, timed measuring and balance measuring mode)	●	●	●
Zero offset,Full Scale Calibration		Yes	–	●	●
Data Storage		2200 data with time-and-date stamp	●	●	●
View,delete and print		Yes	●	●	●
Display		Touch,big LCD screen	●	●	●
Output		RS-232,USB	●	●	●
Software		1.1DC	●	●	●
Power		Universal power adapter (9v,800mA inside-positive, outside-negative)	●	●	●
Case outside serial No.		WXS-A009-1	●	●	●
Dimension(mm),Weight(kg)		250X195X100,2	●	●	●

DZS-706 Benchtop Multi-Parameter Meter

		DZS-706	DZS-706-A	DZS-706-B	DZS-706-C
Parameters		Conductivity/DO/pH/pX/℃	Conductivity/pH/pX/℃	DO/pH/pX/℃	Conductivity/DO/℃
Range	pH/pX	-2.0 ~ 20.00	●	●	–
	ORP	±1999.99mV	●	●	–
	Conductivity	0.000μS/cm ~ 199.9mS/cm	●	–	●
	Resistivity	0.00Ω.cm ~ 20.00MΩ.cm	●	–	●
	TDS	0.000mg/L ~ 100g/L	●	–	●
	Salinity	0.00 ~ 8.00%	●	–	●
	DO	0.00 ~ 19.99mg/L	–	●	●
	DO saturation	0.0 ~ 199.9%	–	●	●
	Response time	≤45S(90%respond at 20℃)	–	●	●
	Ion Concentration	(0 ~ 19990),unit: ug/L, mg/L, g/L, mol/L, mmol/L	●	●	–
	Temperature	-5.0 ~ 105.0℃	●	●	●
Reso-lution	pH/pX	0.01	●	●	–
	ORP	0.1mV	●	●	–
	Conductivity	0.01μS/cm	●	–	●
	Resistivity	0.01Ω.cm	●	–	●
	TDS	0.001mg/L	●	–	●
	Salinity	0.01%	●	–	●
	DO	0.01mg/L	–	●	●
	DO saturation	0.10%	–	●	●
	Temperature	0.1℃	●	●	●
Accu-racy	pH/pX	±0.01pH±1 bit	●	●	–
	ORP	±0.1%FS	●	●	–
	Conductivity	±1.0%FS	●	–	●
	Resistivity	±1.0%FS		–	
	TDS	±1.0%FS	●	–	●
	Salinity	±0.2%	●	–	●
	DO	±0.30mg/L	–	●	●
	DO saturation	±10.0%FS	–	●	●
	Temperature	±0.3℃±1 bit	●	●	●
Temp Compensation		Auto,pH:(0.0 ~ 100.0)℃; Conductivity:(0.0 ~ 100.0)℃; DO:(0.0 ~ 40.0)℃;	●	●	●
Zero offset, Full Scale Calibration		Yes	–	●	●
Data Storage		200 data with time-and-date stamp	●	●	●
View,delete and print		Yes	●	●	●
Display		LCD	●	●	●
Output		RS-232	●	●	●
Software		1.1DC	●	●	●
Power		Universal power adapter (9VDC,800mA)	●	●	●
Case outside serial No.		WXS-A010-3	●	●	●
Dimension(mm),Weight(kg)		280X215X93,1	●	●	●

DZB-718 Portable Multi-Parameter Meter

Parameters		DZB-718	DZB-718-A	DZB-718-B	DZB-718-C	DZB-712	DZB-712-A	DZB-712-B	DZB-712-C
		Conductivity/DO/pH/pX/℃	Conductivity/pH/pX/℃	DO/pX/℃	Conductivity/DO/℃	Conductivity/DO/pH/pX/℃	Conductivity/pH/pX/℃	DO/pX/℃	Conductivity/DO/℃
Range	pH/pX	-2.0 ~ 19.999	●	●	–	(-2.0 ~ 20.00)pH/Px	●	●	–
	ORP	±1999.99mV	●	●	–	-1999.9 ~ 1999.9mV	●	●	–
	Conductivity	0.000µS/cm ~ 199.9mS/cm	●	–	●	●	●	–	●
	Resistivity	0.00Ω.cm ~ 20.00MΩ.cm	●	–	●	●	●	–	●
	TDS	0.000mg/L ~ 100g/L	●	–	●	●	●	–	●
	Salinity	0.00 ~ 8.00%	●	–	●	●	●	–	●
	DO	0.00 ~ 19.99mg/L	–	●	●	●	–	●	●
	DO saturation	0.0 ~ 199.9%	–	●	●	●	–	●	●
	Response time	≤45S(90%respond at 20℃)	–	●	●	●	–	●	●
	Ion Concentration	(0 ~ 19990),unit:ug/L,mg/L,g/L, mol/L,mmol/L	●	●	–	●	●	●	–
	Temperature	-5.0 ~ 135.0℃	●	●	●	●	●	●	●
Reso-lution	pH/pX	0.001	●	●	–	0.01pH/Px	●	●	–
	ORP	0.01mV	●	●	–	0.1mV	●	●	–
	Conductivity	0.001µS/cm	●	–	●	●	●	–	●
	Resistivity	0.01Ω.cm	●	–	●	●	●	–	●
	TDS	0.001mg/L	●	–	●	●	●	–	●
	Salinity	0.01%	●	–	●	●	●	–	●
	DO	0.01mg/L	–	●	●	●	–	●	●
	DO saturation	0.10%	–	●	●	●	–	●	●
	Temperature	0.1℃	●	●	●	●	●	●	●
Accu-racy	pH/pX	±0.002±1 bit	●	●	–	±0.01pH/Px±1个字	●	●	–
	ORP	±0.03%FS	●	●	–	±0.1%FS	●	●	–
	Conductivity	±0.5%FS	●	–	●	±1.0%FS	●	–	●
	Resistivity	±0.5%FS	●	–		±1.0%FS	●	–	
	TDS	±0.5%FS	●	–	●	±1.0%FS	●	–	●
	Salinity	±0.1%	●	–	●	±0.2%	●	–	●
	DO	±0.30mg/L	–	●	●	●	–	●	●
	DO saturation	±10.0%FS	–	●	●	●	–	●	●
	Temperature	±0.3℃±1 bit	●	●	●	●	●	●	●
Temp Compensation		Auto,pH:(0.0 ~ 100.0)℃; Cond:(0.0 ~ 100.0)℃; DO:(0.0 ~ 40.0)℃;	●	●	●	●	●	●	●
GLP Standard		Yes	●	●	●	–	–	–	–
Zero offset,		Yes	–	●	●	●	–	●	●
Ion Mode		Support multiple common ion mode (such as H+,Na+,K+,NH4+,Cl¯,F¯etc…),Custom ion mode	●	●	–	●	●	●	–
Measuring Mode		3(continuous measuring,timed measuring and balance measuring mode)	●	●	●	●	●	●	●
Data Storage		2200 data with time-and-date stamp	●	●	●	●	●	●	●
View,delete and print		Yes	●	●	●	●	●	●	●
Display		Backlit LCD	●	●	●	●	●	●	●
Output		USB	●	●	●	●	●	●	●
Software		1.1DC	●	●	●	●	●	●	●
Housing		IP65					●	●	●	●
Power		Four AA batteries	●	●	●	●	●	●	●
Case outside serial No.		WXS-A006-1	●	●	●	●	●	●	●
Dimension(mm),Weight(kg)		210X100X45,0.5	●	●	●	●	●	●	●

Blast Air Drying Oven
Vacuum Drying Oven
Incubator
Dual-purpose Incubator
Hot-Air Sterilizer
Constant Temp & Humid Incubator
Resistance Furnace (Muffle Furnace)

High Temperature Drying Oven

Summary of Function:
It is applicable for drying, cure, melting and sterilization in industrial and mining enterprises, laboratories and scientific research institutes.

Product Characteristics:
1. Interior of oven is made of specular stainless steel by argon-arc-welding technics, and the exterior of oven is made of high-quality steel sheet with a beautiful and novel appearance.
2. It adopts temperature control protection, digital display, microcomputer PID temperature controller with timer function to ensure precise and reliable temperature control.
3. Hot air circulation system is composed of blower fan and proper air channels, which is capable of continuous operation under high temperature. Improve the uniformity of the temperature inside the working chamber.
4. New-style Silicon gasket ensure long-life under high temprature, and easy to replace.
5. Can adjust blast and exhaust in control panel.
6. Independent alarm system for temperature-limiting ensures experiments run safely and no accident would happen.(Option)
7. Recorder and printer are options which can print or record setting parameters and trace variational curves of temperature(4~20mA standard signal).(Option)

Optional accessories:
1. Intelligent program temperature control--LCD Display.
2. Independence temperature limited alarm system.
3. RS484 connector and communication software.
4. Control board and printer (Build-In or Independence printer)
5. Test Hole(Dimension 25mm)
6. U disk data store
7. Wireless Alarm System (Message Alarm system)

Model	DHG-9030A	DHG-9070A	DHG-9140A	DHG-9240A	DHG-9420A	DHG-9620A	DHG-9920A
Power	220V 50HZ (110V 60HZ option)				380V 50HZ		
Temerature range	RT+10~200 °C / RT+10~250 °C						
Temperature fluctuation	±1°C						
Temperature Resolution	0.1°C						
Temperature Uniformity	±3%(At 100°C)						
Operation RT	+5~40°C						
Input Power	850W	1100W	2050W	2450W	3100W	4000W	6000W
Capacity	30L	80L	136L	220L	420L	620L	1000L
Chamber dimension	340*320 *320	450*400 *450	550*450*550	600*500*750	640*585**1355	840*600*1355	1000*600*1600
ExternAl dimension (mm)	620*530 *490	740*618*630	840*670*730	880*720*930	780*750*1880	980*800*1880	1140*800*2150
Shelves per chamber	2 Piece				3 Piece	4 Piece	4 Piece
Time Locating Range	1 ~ 9999Min						

Model	DHG-9035A	DHG-9055A	DHG-9075A	DHG-9145A	DHG-9245A	DHG-9425A	DHG-9625A
Power	220V 50HZ (110V 60HZ option)					380V 50HZ	
Temerature range	RT+10~300°C						
Temperature fluctuation	±1.0°C						
Temperature Uniformity	±3%(At 100°C)						
Temperature Resolution	0.1°C						
Operation RT	+5 ~ 40°C						
Input Power	850W	1100W	1550W	2050W	2450W	3100W	4000W
Capacity	30L	50L	80L	136L	220L	420L	620L
Chamber dimension	340*320*320	420*395*350	450*400*450	550*450*550	600*500*750	640*585*1355	840*600*1355
External dimension (mm)	620*530*490	720*590*520	740*618*630	840*670*730	880*720*930	780*750*1880	980*800*1880
Shelves per chamber	2 Piece					3 Piece	4 Piece
Time Locating Range	1~ 9999Min						

High Temperature Drying Oven

Features:

1) Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
2) Imported temperature controller(FUJI)
3) Latest PID controller
4) Independent temperature-limiting alarm system ensures experiments run safely. (option)
5) RS485 connector is option which can connect computer to record the parameters and the variations of temperature. (option)
6) Intelligent programable LCD temperature (option).
7) There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement.

Specifications:

| Model	BPG-9050AH	BPG-9100AH	BPG-9200AH
Electrical Requirements	220V 50HZ (110V 60HZ Option)		
Temperature Range	100 Deg.C ~ 400 Deg.C		
Display Resolution	0.1°C		
Temperature Stability	+/- 2%°C		
Ambient Temperature	+5~40°C		
Power	2500W	3000W	3500W
Chamber Volume	50L	100L	250L
Interior Dimension (mm)W*D*H	350*350*400	450*450*450	600*600*600
External Dimension (mm)W*D*H	540*660*615	620*745*645	650*750*750
Shelves	2 (pcs)		
Timing Range	1~9999min		

DHG-9003 Series Air Blast Dry Box

Product Characteristics:

1. With mirror surface in stainless steel, four square semicircle transition, shelf support handing freely, easy for cleaning within the case.

2. It adopts temperature control protection, digital display, microcomputer PID temperature controller with timer function to ensure precise and reliable temperature control.

3. Hot air circulation system is composed of blower fan and proper air channels, which is capable of continuous operation under high temperature. Improve the uniformity of the temperature inside the working chamber.

4. New-style Silicon gasket ensure long-life under high temprature, and easy to replace.

5. Can adjust flow of blast & exhaust in control panel.

6. Independent alarm system for temperature-limiting ensures experiments run safely and no accident would happen.(Option)

7. Recorder and printer are options which can print or record setting parameters and trace variational curves of temperature(4~20mA standard signal).(Option)

Optional accessories:

1. Independence temperature limited alarm system.

2. RS484 connector and communication software.

3. Control board and printer (Build-In or Independence printer)

4. Intelligent programable LCD temperature
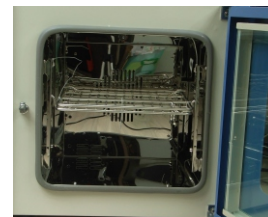
Specification:

Model	DHG-9023A	DHG-9053A	DHG-9123A	DHG-9203A
Electrical data	220V 50HZ (110V, 60HZ option)			
Temperature Range	RT+10~200°C/RT+10~250°C			
Temperature Resolution	0.1δC			
Temperature Fluctuation	─+°C			
Power	850W	1100W	1550W	2050W
Chamber dimension(W*D*H)	340*325*320	420*395*350	550*450*550	600*550*600
External dimension (mm)(W*D*H)	620*540*490	700*610*520	840*670*730	880*765*780
Locating Range	1~9999 min			

Exactitude Blast Air Oven - LCD display

Features:

1). With mirror surface in stainless steel, four square semicircle transition, shelf support handing freely, easy for cleaning within the case.

2) Gaint-screen LCD, group-data display in one screen, special all directions navigation key, easily operation, with more human nature in design.

3) Use new handing of fuzzy logic controller, fast to set value, accuracy and stable in operation.

4). New-style Silicon gasket ensure long-life under high temprature, and easy to replace.

5) Independent temperature-limiting alarm system ensures experiments run safely. (option).

6) RS485 connector is option which can connect computer to record the parameters and the variations of temperature, also can connect to printer or USB (FLASH memory (option).

7. Intelligent programable LCD temperature (option).

Specifications:

Model	Electrical Requirement	Input Power	Temperature Range	Display Resolution	Temperature Stability	Temperature Uniformity	Shelves	Internior Dimension (W*D*H)(mm)	Chamber Volume	Timing Range
BPG-9040A	220V 50Hz (110V 60HZ)	850W	RT+10~200 °C /RT+10~250 °C	0.1°C	─+°C	1.50%	2 (pcs)	350*320*350	40L	1~9999min
BPG-9070A		1550W						400*350*500	80L	
BPG-9140A		2050W						500*400*750	150L	
BPG-9240A		2450W						520*460*1050	250L	

Resistance Furnace (Muffle Furnace)

Scope of application:

The products are widely applied in the chemical analysis and physical determination for labs in industrial and mining enterprises, scientific research institutes, etc; sintering stoneware, porcelain and ceramics; high-temperature heat treatment for metal annealing, quenching and tempering.

Features:

1. Special door design, easy to operate to avoid the leakage of high temperature.
2. Micropocessore & PID controller, Accurate Controlled Temperature, safe and reliable
3. Anti-corrosion chamber with long life (Firebricks Chamber or Ceramic fiber Chamber)
4. Good door seal to minimum the loss of heat, increase the uniformity of temperature in chamber.
5. Programmable Controller,30priods, max timing setting for each period is 99 hours 59 minutes. ("P"series have it)
6. Can set several program to control the complicated test procedure, realize autorun.
7. Inner side of the door and chamber surface made of stainless-steel ("P"series have it)

Resistance of furnaces (please select is base on your requirement)

* G-series hearth: It adopts traditional refractory material and features wide application, high performance-price ratio, long service life, etc. "

* T-series hearth (ceramic fiber):It adopts high-density ceramic fiber, an emerging modern refractory material, featuring light weight, rapid temperature rise, time saving, etc, tosatisfy the requirements on rapid sintering under various conditions. It is the optimal substitute for traditional hearth."

Safety:

1. Heat power will shut down when the door open.
2. Have security of over-temperature, over-current and over pressure to avoid the incident.
3 Use ceramic fiber as thermal Insulation Materials, the temperature on surface is low.

Use cold rolled steel plate

		Model	Chamber Size(mm)
Resistance Furnace (Firebrick Chamber)	1000 ℃ (Super quality electric furnace heating wire)	SX2-2.5-10G	200*120*80
		SX2-4-10G	300*200*120
		SX2-8-10G	400*250*160
		SX2-10-10G	300*200*300
		SX2-12-10G	500*300*200
		SX2-18-10G	500*500*800
	1200 ℃ (Nichrome wire)	Sx2-2.5-12G	200*120*80
		SX2-5-12G	300*200*120
		SX2-10-12G	400*250*160
	1300 ℃ (Silicon-carbon rod)	SX2-4-13G	250*150*100
		SX2-6-13G	400*200*160
		SX2-8-13G	500*200*180
	1600 ℃ (Silicon-molybdenum rod)	Sx2-8-16G	300*150*120
		Sx2-12-16G	400*200*160
	30-period Programmable controller For Resistance Furnace(Firebrick Chamber) is optional		
Resistance Furnace (Ceramic fiber Chamber)	1000 ℃ (Super quality electric furnace heating wire)	Sx2-2.5-10T	200*120*80
		Sx2-4-10T	300*200*120
		Sx2-8-10T	400*250*160
		SX2-12-10T	500*300*200
	1300 ℃(Silicon-carbon rod)	SX2-4-13T	250*150*100
		SX2-6-13T	400*200*160
		SX2-8-13T	500*200*180
		SX2-8-16TP	300*150*120
	1600 ℃(Silicon-molybdenum rod)	SX2-12-16TP	400*200*160
		SX2-18-16TP	500*200*180
		SX2-4-17TP	160*150*150
	1700 ℃(Silicon-molybdenum rod)	SX2-6-17TP	250*150*150
		SX2-8-17TP	300*150*120

Optioanal:

1. Programmable controller
2. test port
3. Data Recorder

BPZ Vacuum Drying Oven

Vacuum Degree LED Dispaly Controller

Under the vacuum condition, you can obtain:
1. The vacuum environment greatly reduced the liquid point which needs to drive out, therefore the vacuum is dry may with ease apply to the heat sensitivity material.
2. For the sample that does not be dry easily, such as powder or other pellet form sample, using vacuum
3. Use more safety--Under vacuum or inertia condition, eliminate oxide completely to meet the possibility of hot explosion.
4. With dependence air cycle ordinary drying oven compare, powder form sample will not be flowed, air blows or moves.

Though, vacuum dry technology has more numerous advantages, but it is stricter that the workmanship of drying oven compares with the relatively complex requirement for product quality with ordinary oven, our company use accurate temperature control technical and advanced manufacturing process, so our products will satisfy your needs.

The overall vacuum cycle controller can supply programmable vacuum cycle & reduce the drying time. You can only set highest and lowest vacuum value, such as 50Pa & 900Pa, and set cycle times is 6 times, machine will auto control the vacuum & cycle times. Along with each cycle go on, humidity reduces constantly, dry speed accelerates obviously. Maximal cycle times are 99 times.

Summary of Functions:
1. Cuboid chamber maximizes the effective cubage. Microprocessor controller for temperature ensures a precise and reliable control.
2. Dual-layer bulletproof toughened glass door ensure absolutely clear observe on objects in chamber.
3. Shutting extent of oven door is adjustable. Closed-cell silicon gasket ensures a high vacuum degree in oven.
4. The chamber is made of stainless steel (or wire-drawing sheet) which allows a durable service and cleaning easily.
5. Store, heating, testing and drying are all in an environment without oxygen or filled with inert gases, which ensures no oxidation.
6. Minimum heating time is over 50% less than that of traditional vacuum drying oven.

Vacuum LCD Display and Control
Vacuum drying oven adopts the digital technical control vacuum degree of simulated engineering science. "Control By Hand" becomes historical long ago. The products has full automatic LCD Dispaly controller to control electromagnetism valve. You can adjust the vacuum from 1.0E5 Pa to 1.0E-1 Pa. Control precision is 1%. Vacuum sensor is located in different position of import and export that can guarantee stabilize pressure value, not be bullied the influence that supply most steady pressure value to the operation manual.

Specification:

Model	BPZ-6500LC	BPZ-6210LC	BPZ-6123LC
Eletrical data	220V 50HZ (110V 60HZ option)		
Power	2800W	2060W	2400W
Temperature range	RT+10 ℃ ~ 200 ℃		
Temperature Resolution	0.1 ℃		
Temperature fluctuation	+/- 1 ℃		
Vacuum Degree	133Pa		
Chamber dimension(W*D*H)	630*810*845	560*600*640	500*500*500
External dimension(W*D*H)	790*1030*1855	720*820*1750	610*680*1460
Material of working chamber	Stainless steel(1Cr~18Ni9Ti)		
Shelves per chamber (Normal)	4 Piece (Separate Temprature control)	3 Piece (Separate Temprature control)	4 Piece

Model	BPZ-6090LC	BPZ-6063LC	BPZ-6033LC
Eletrical data	220V 50HZ (110V 60HZ option)		
Power	1300W	1770W	1020W
Temperature range	RT+10 ℃ ~ 200 ℃		
Temperature Resolution	0.1 ℃		
Temperature fluctuation	+/- 1 ℃		
Vacuum Degree	133Pa		
Chamber dimension(W*D*H)	450*450*450	400*400*400	320*320*320
External dimension(W*D*H)	610*680*1460	600*570*1390	550*490*1240
Material of working chamber	Stainless steel(1Cr~18Ni9Ti)		
Shelves per chamber (Normal)	2 Piece (Separate Temprature control)	3 Piece	2 Piece

DZF Vacuum Drying Oven

Microprocessor controller(With Timer)

The latest vacuum drying oven integrates many-year successful experiments of our company in oven heating. With constant concentrative studies, this product has broken through the traditional technology and resolves the bottleneck in the heat conduction in a creative way having found a prefect method of heat conduction.

Summary of Functions:

1. Cuboid chamber maximizes the effective cubage. Microprocessor controller for temperature ensures a precise and reliable control.

2. Dual-layer bulletproof toughened glass door ensure absolutely clear observe on objects in chamber.

3. Shutting extent of oven door is adjustable. Closed-cell silicon gasket ensures a high vacuum degree in oven.

4. The chamber is made of stainless steel (or wire-drawing sheet) which allows a durable service and cleaning easily.

5. Store, heating, testing and drying are all in an environment without oxygen or filled with inert gases, which ensures no oxidation.

6. Minimum heating time is over 50% less than that of traditional vacuum drying oven.

Optional accessories:

1. Intelligent Programable LCD Temperature Controller
2. Inert gases control valve.
3. Import vacuum gauge.
4. Pedestal cabinet.
5. Liquid water filter.(For high temperature drying).
6. Drying Can.
7. Vacuum pump 2XZ-2 or 2XZ-4

Specification:

Model	DZF-6500	DZF-6210	DZF-6090	DZF-6050/6053	DZF-6051
Eletrical data	220V 50HZ (110V 60HZ option)				
Power	2800W	2060W	1150W	1400W	1400W
Temperature range	RT+10 ^{o}C ~ 200 ^{o}C				
Temperature Resolution	0.1 ^{o}C				
Temperature fluctuation	±1 ^{o}C				
Vacuum Degree	133Pa				
Operation RT	+5 ~ 40 ^{o}C				
Chamber dimension (W*D*H)mm	630*810*845	560*600*640	450*450*450	415*370*345	415*370*345
External dimension (W*D*H)mm	790*1030*1855	720*820*1750	610*680*1460	720*560*550	720*560*550
Material of working chamber	Stainless steelZ 1Gr~18Ni9Ti)				Fe(08F)
Shelves per chamber (Normal)	4 Piece (Separate Temprature control)	3 Piece (Separate Temprature control)	2 Piece (Separate Temprature control)	6050: 2 Piece 6053: 3 Piece	2 Piece
Timer	1-9999minutes				

Model	DZF-6020	DZF-6021	DZF-6030A (For Chemical)	DZF-6030B (For Biology)	DZF-6050B (For Biology)	Progrem Controller LCD Display		
						BPZ-6123	BPZ-6063	BPZ-6033
Eletrical data	220V 50HZ (110V 60HZ option)					220V 50HZ (110V 60HZ option)		
Power	400W	400W	400W	250W	600W	2400W	1770W	1020W
Temperature range	RT+10£C-200£C			RT+10£C-65£C		RT+10 £C~ 200 £C		
Temperature Resolution	0.1 ^{o}C							
Temperature fluctuation	±1 ^{o}C							
Vacuum Degree	133Pa							
Operation RT	+5~40 ^{o}C							
Chamber dimension	300*300*275	300*300*275	320*320*300	320*320*300	415*370*345	500*500*500	400*400*400	320*320*320
External dimension	605*490*450	605*490*450	630*510*490	610*510*490	710*560*550	610*680*1460	600*570*1390	550*490*1240
Material of working chamber	Stainless steel (1Gr 18Ni9Ti)	Fe(08F)	Stainless steelZ 1Gr 18Ni9Ti)			Stainless steelZ 1Gr 18Ni9Ti)		
Shelves per chamber (Normal)	1 Piece	1 Piece	1 Piece	1 Piece	2 Piece	4 Piece	3 Piece	2 Piece
Timer	1-9999minutes					1-9999 minutes		

Comment: Model DZF-6090, DZF-6210, BPZ-6123, BPZ-6063 & BPZ-6033 have vacuum pump & Drying Can.

Model BPZ-6123, BPZ-6063 & BPZ-6033 use Import vacuum gauge.

Biochemical Incubator

-----Microprocessor Control (with Timing Function)

Summary:

Serve for environmental protection hygiene and anti-epidemic, pharmaceutical test, workstock and aquatic products etc, which applied in scientific research institute, college and manufacture department, It is a dedicated constant-temperature equipment for analysis of water body ,BOD test, cultivation and storage of bacteria, moulds and microorganisms, plant cultivation and seed-breeding test.

Features:

1. Specular stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is

2. Microprocessor temperature controller ensures a precise and reliable control.

3. With circulating fan speed auto-control system, avoid the volatilization of sample when the fan speed is too fast.

4. Independent alarm system for temperature-limiting ensures experiments run safely and no accident would happen.(Option)

5. RS485 interface and printer interface may link computer& printer, can remote monitor the condition of machine.(Option)

6. International brand compressor and circulating fan, environmental protection cryogen(R134a), with high efficiency and low power consumption, promoting energy (Model with "F" with this function).

Options:

1. Printer   2. Independent temperature-limiting controller.   3. Test hole on the left(diameter-25mm)

4. BOD socket   5. RS485 connector and communication software.   6. Intelligent programable LCD temperature

Specifications:

Model	Biochemical Incubator					
	LRH-70F	LRH-150F	LRH-250F	LRH-500F	LRH-800F	LRH-1000F
Temperature Range	0-60 °C					
Temperature Control	0.1 °C					
Temperature Stability	‡. ,3°C(At high temperature)					
	‡/ °C(At low temperature)					
Electrical Requirements	220V 50Hz (110V 60HZ option)					
Ambient Temperature	+5~30°C					
Input Power	350W	450W	650W	1500W	1800W	2000W
Interior Dimension (mm)W*D*H	400*350*500	500*370*800	520*460*1050	700*600*1200	900*600*1400	1150*600*1400
Overall Dimension (mm)W*D*H	530*560*1080	600*575*1325	620*690*1590			
Shelves per chamber (Normal)	2(pcs)	3(pcs)	3(pcs)	3(pcs)	3(pcs)	3(pcs)
Timing Range	1-9999 min					

*Specification test under no load condition: ambient temperature is 20 °C ,and relative humidity is 50%.

Biochemical Incubator LCD display

-----Microprocessor Control (with Timing Function)

Features:

1) Use Freon-Free Compressor to protect environment.

2) With mirror surface in stainless steel, four square semicircle transition, shelf support handling freely, easy for cleaning within the case.

3) Giant-screen liquid crystal display, groups-data display in one screen, special all directions navigation key, easily operation, with more human nature in design.

4) Use new handling of fuzzy logic controller, fast to setvalue, accuracy and stable in operation.

5) International brand compressor and circulating fan, environmental protection cryogen(R134a),with high efficiency and low power consumption, promoting energy saving.

6) Independent temperature-limited alarm system can automatically interrupt when it is over limit temperature, ensuring the safe operation of the experiment, with no accident(Option)

7) RS485 interface may link computer, can remote monitor the condition of machine.(Option)

8) There is a 25mm instruction connection hole on the left side of the case, easy for testing operation and temperature measurement.

Communicated function:

The information record and fault diagnosis applying to QA certification, all information can be download, being preserved in computer through RS485 port, detecting information and making diagnosis at any time when something is wrong

Options:

1. Printer   2. Independent temperature-limiting controller.   3. UV sterilize System

4. BOD socket   5. RS485 connector and communication software.   6. Intelligent programable LCD temperature

Specifications:

Model	Temperature Range	Temperature Control	Temperature Stability	Power	Ambient Temperature	Input Power	Interior Dimension	Shelves pel chamber (Normal)	Timing Range
BPC-70F	0 ~ 60°C	—.,/ °C	—.,3°C(At high temp) —／°C(At low temp)	220V 50Hz (110V 60HZ)	+5~35°C	400W	400*350*500	2(pcs)	1-9999 min
BPC-150F						700W	500*400*750	3(pcs)	
BPC-250F						900W	520*460*1050	3(pcs)	

Co2 Incubator

------Intelligentized microprocessor control

Summary:

CO2 incubator is not only an advanced instrument for cultivation of cells, tissues and bacteria, but also a key equipment for immunology, oncology, genetics and bioengineering. It is widely applicable for research and production of microorganisms, agricultural science and pharmacology.

Features:

1. Customized design, micro-processor control, stainless-steel chamber, semicircular arcs at corners for easy cleaning.
2. Can sterilize circulatory air and the cell in humid tray by Ultraviolet Lamp which locate the back of box.
3. Equipped with microorganism HEPA Filter, can filter the atomy larger than 0.3 um, filter efficiency more than 99.99%.
4. Glass-door warm system can heat up the inner door, avoid the condensed water produce that reduce the possible of Microbial Contamination.
5. With circulating fan speed auto-control system, avoid the volatilization of sample when the fan speed is too fast.
6. Independent alarm system for temperature-limiting ensures experiments run safely and no accident would happen.
7. Over-temperature warning and alarm.
8. Door open time too long alarm.

Option:
1. Humidity Display   2. CO2 pressure-releasing valve   3. RS-485 connector and communication software.

Specifications□

Model	BPN-80CH(UV)	BPN-150CH(UV)	BPN-80CW(UV)	BPN-150CW(UV)
Electrical Requirements	220V 50HZ (110V 60HZ Option)			
Input Power	500W	750W	680W	950W
Heating Method	Air-Jacketed		Water-Jacketed	
Temperature Range	RT+5 ~ 50℃			
Temperature Control	0.1℃			
Temperature Stability	—,0℃		—,/ ℃	
CO_2 Range	0~20%(air-adjusting type)			
CO_2 Recovery	<Calibration*1.2min			
Humidifying Method	Natural evaporization			
Ambient temperature	+5~30℃			
Cubage	80L	155L	80L	155L
Interior Dimension (mm)W*D*H	400*400*500	530*480*610	400*400*500	530*480*610
Overall Dimension (mm)W*D*H	580*500*690	650*630*800	580*500*690	650*630*800
Shelves per Chamber (Normal)	2(pcs)	3(pcs)	2(pcs)	3(pcs)

* Specification test under no load condition:ambienttemperature 20 oC,and relative humidity50%.

Co2 Incubator

--------------Special for cell culture

Summary:

CO_2 incubator is not only an advanced instrument for cultivation of cells, tissues and bacteria, but also a key equipment for immunology, oncology, genetics and bioengineering. It is widely applicable for research and production of microorganisms, agricultural science and

Features:

1. More quickly Co2 concentration recover time. Equipped with high-precision Co2 sensor, can quickly recover Co2 concentration, if closed door after 30 senconds, it can recover to 37℃ within 10 minutes and recover to 5% Co2 within 5 minutes.
2. Can sterilize circulatory air and the cell in humid tray by Ultraviolet Lamp which locate the back of box.
3. Equipped with microorganism HEPA Filter, can filter the atomy larger than 0.3 um, filter efficiency more than 99.99%.
4. Glass-door warm system can heat up the inner door, avoid the condensed water produce that reduce the possible of Microbial
5. With circulating fan speed auto-control system, avoid the volatilization of sample when the fan speed is too fast.
6. Independent alarm system for temperature-limiting ensures experiments run safely and no accident would happen.
7. Over-temperature & over Co2 concentration warning and alarm.
8. Door open time too long alarm.
9. Gaint-screen LCD & micro-processor PID control, can dispaly temprature, Co2 concentration & humidity at one time.

Specifications□

Model	BPN-80CRH(UV)	BPN-150CRH(UV)
Electrical Requirements	220V 50HZ	
Input Power	500W	750W
Heating Method	Air-jacketed micro-processor PID control	
Temperature Range	RT+5 ~ 55℃	
Working environment Temperature Range	RT+5 ~ 30℃	
Temperature Stability	—,/ ℃	
CO_2 Range	0~20%	
CO_2 Precision	—. ,/ # 8 CO_2 _pcb Qcl qmp	
CO_2 Recovery	less than 3 min(After door open 30 seconds recover to 5	
Temperature Recovery	less than 8 min(After door open 30 seconds recover 37	
Humidifying Method	Natural evaporization (>95%)	
Cubage	80L	155L
Interior Dimension (mm)W*D*H	400*400*500	530*480*610
Overall Dimension (mm)W*D*H	580*500*690	650*690*850
Shelves per Chamber(Normal)	2(pcs)	3(pcs)

* Specification test under no load condition:ambienttemperature 20 ℃,and relative humidity 50%.

Electrical Heating Incubator

----Intelligentized Microprocessor Control

---LCD Display

Features:

1. With mirror surface in stainless steel, four square semicircle transition, shelf support handling freely, easy for cleaning within the case.

2. Giant-screen liquid crystal display, groups-data display in one screen, special all directions navigation key, easily operation, with more human nature in design.

3. Use new handling of fuzzy logic controller, fast to setvalue, accuracy and stable in operation.

4. Independent temperature-limited alarm system can automatically interrupt when it is over limit temperature, ensuring the safe operation of the experiment, with no accident. (Option)

5. RS485 interface may link computer and remote monitor the condition of machine.(Option)

Specification:

Model	BPH-9042	BPH-9082	BPH-9162	BPH-9272
Electrical Requirements	220V 50Hz			
Temperature Range	RT+5 - 80 ℃			
Temperature Control	0.1 ℃			
Temperature Stability	—.,1 ℃			
Ambient Temperature	+5 ~ 40 ℃			
Input Power	250W	350W	550W	750W
Interior Dimension (mm)W*D*H	350*320*350	400*400*500	500*400*750	520*460*1050
Shelves per chamber(Normal)	2 PCS			
Timing Range	1~9999min			

DHP-9002 Series Electric Heat Constant Temperature Incubator

----Microprocessor control(With timing function)

----Heating Film Incubator

DHP-9002 Series Electric Heat Constant Temperature Incubator Electric Heat Film Constant Temperature Incubator.
It is necessary equipment for universities and colleges and departments of biology,agriculture and
scientific research to store bacteria,cultivate organisms and conduct scientific researches.

Product Characteristics:

1. Microcomputer controlled, with time locating function, ensures stable and reliability in using. (Intelligentized programme LCD Temperature controller is option.)

2. Independent alarm system for temperature-limiting ensures experiments run safely and no accident would happen (Option)

3. A glass door is installed in the interior outer door for convenient and clear observation, when the door is opened, the breeze-circulation heating will cease automatically without the disadvantage of overshooting.

4. Internal stainless mirror plane, electro-thermal film heating method, higher heating speed.

5. With circulating fan speed auto-control system, avoid the volatilization of sample when the fan speed is too fast.

6. Printer connector OR RS485 connector can connect printer or PC to record the variety of temperature. (Option)

Optional accessories:

1. Independence temperature limited alarm system.

2. RS232/484 connector and communication software.

3. Printer (Build-In or Independence printer)

4. 25mm Test hole

5. Intelligent programable LCD temperature

Specification:

Model	DHP-9032	DHP-9052	DHP-9082	DHP-9162	DHP-9272
Electrical Data	220V 50HZ (110V 60Hz Option)				
Temperature range	RT+5~65℃				
Temperature Display Resolution	±0.1°C				
Temperature Fluctuation	±0.5℃				
Working Environment Temperature	+5℃ ~ 35℃				
Power	200W	250W	350W	550W	700W
Cubage	35L	50L	80L	160L	270L
Clamber dimension	340*320*320	415*360*355	500*400*400	500*500*650	600*600*750
External dimension	620*490*490	690*500*500	780*530*560	790*630*810	890*740*910
Shelves| Per Chamber (Normal)	2 Piece				
Time Locating Range	1-9999minutes				

Lighting Incubator/ Artificial climate

--------Intelligentized and programmable

Summary:

Latest intelligentized and programmable lighting incubator and artificial climate incubator integrate successful experience of our company in plant and crop cultivation field, which break through the defect of the existing lighting incubators and artificial climate incubators that are unable to run continuously.(The cultivation duration for some farm crops is 3-6 months or even more with the running of incubators uninterrupted).Compared with common types, the latest incubators are characterized by security, reliability and long-term running without interruption. This Incubator Use Freon-Free Compressor to protect environment.

Features:

1. Microprocessor for temperature, humidity, lighting control can set 30 programmed at most. Time range is 1-99 hours for each programmed. The incubators can simulate the temperature and humidity's change of day and night. You can also select suitable growth surroundings with enough and stable light. It can simulate natural multi-directional light perfectly.

2. Giant-screen LCD(38*130), menu type operating interface, groups-data display in one screen, easily operation.

3. Two imported compressors alternate intelligently to ensure a continuous long working;134a refrigerant, highly efficient with low energy consumption that promotes energy conservations.

4. With mirror surface in stainless steel, foursquare semicircle transition, shelf support handling freely, easy for cleaning within the case.

5. Independent temperature-limited alarm system can automatically interrupt when it is over limit temperature, ensuring the safe operation of the experiment, with no accident.(Option)

6. RS485 connection may link with computer to record data and control experiment.(Optional)

7.MGC-250BP-2 can equipped with lighting in top.

Specification:

Model	MGC-250BP-2	MGC-350BP-2	MGC-350HP-2	MGC-450BP-2	MGC-450HP-2
	MGC-250BPY-2	MGC-350BPY-2	MGC-350HPY-2	MGC-450BPY-2	MGC-450HPY-2
Cubage	250L	300L		450L	
Temperature Range	With lighting:10~50°C Without Lighting:0~50 °C				
Temperature Control	0.1°C				
Temperature Stability	±°C				
Humidity Range			50~90%RH		50~90%RH
Humidity Precision			±3|5# PF		±3	5# PF
Lighting Intensity	0~12000LX	0~20000LX		0~25000LX	
Programmer Function	Temperature, humidity, lighting can be set separately, and 30 programmed can be set at most. Time range is 1~99 hours for each programmed.				
Input Power	860W	1700W		2100W	
Electrical Requirements	AC220V 50HZ (110V 60Hz Option)				
Ambient Temperature	+5~35°C				
Continuous Running Time	Long-term continuous running (two sets of full sealed compressors for automatic alternative shift).				
Interior Dim W*D*H (mm)	580*510*385	520*550*1140 mm		700*550*1140 mm	
Overall Dim W*D*H (mm)	722*738*1550	830*850*1850 mm		950*850*1850 mm	
Shelves per Chamber (Normal)	3(pcs)				

Note: "BPY-2" is LCD Display programmable Lighting Incubator.   "HPY-2" is programmable Artificial Climate Incubator.

"Y" is LCD display controller series.

Lighting Incubator/ artificial climate

-------Intelligentized microprocessor control

Summary:

Widely applicable for cultivation of biological histocyte, seed gemmation, breeding test, plant cultivation and feeding of insects and beasties. The incubators can simulate different climatic conditions accurately.

Features:

1. This Incubator & artificial climate Use Freon-Free Compressor to protect environment.

2. Microprocessor controller for temperature and humidity ensures a stable and precise control.

3. Temperature-setting function makes the temperature of day and night changed differently with the light alternated from on to off.

4. Independent alarm system for temperature-limiting ensures experiments run safely and no accident would happen.

5. Particular circulating system of air ducts ensures wind distribute evenly in chamber, which prevents plant seedlings from blowing.

6. Specular stainless-steel chamber and semicircular arcs at corners ensures an easy cleaning.

7. Main parts such as compressor and circulating fan are imported for reliability and safety.

8. Microcomputer interface is an option, which can scout process of experiment.(Option)

Option accessories:

CO_2 inlet (facilitating growth of plants) and CO_2 controller (IR CO_2 sensor imported).

Spec:

Model	Lighting incubator						Artificial Climate Incubator		
	MGC-100	MGC-250	MGC-300A	MGC-300B	MGC-400B	MGC-800B	MGC-300H	MGC-400H	MGC-800H
	MGC-150P	MGC-250P		MGC-350BP	MGC-450BP	MGC-850BP	MGC-350HP	MGC-450HP	MGC-850HP
Cubage	150L	250L	300L	300L	450L	800L	300L	450L	800L
Temperature Range	Without Lighting:4~50°C With lighting:10~50 ^{o}C								
Temperature Control	0.1^{o}C								
Temperature Stability	ˌ / ^{o}C								
Lighting Intensity	0~12000LX Four-grades adjustable	0~15000LX Four-grades adjustable	0~20000LX Four-grades adjustable	0~25000LX Four-grades adjustable	0~30000LX Four-grades adjustable		0~20000LX Four-grades adjustable	0~25000LX Four-grades adjustable	0~30000LX Four-grades adjustable
Lighting Type	Lighting over board	Three faces lighting			Lighting over board (Two layers)		Three faces lighting		Lighting over board (Two layers)
Humidity Precision	N/A						50~90%RH		
Humidity Precision	N/A						Ñ5~7%RH		
Input Power	760W	860W	1400W	1650W	2100W	2100W	1650W	2100W	4000W
Electrical Requirements	AC220V 50HZ				AC380V 50HZ		AC220V 50HZ		AC380V 50HZ
Ambient Temperature	+5 ~ 40°C								
Continuous Working Time		>180h							
Interior Dimension (mm) W*D*H	550*400 *550	580*510 *385	520*550 *1140	700*550 *1140	965*580 *1430		520*550 *1140	700*550 *1140	965*580* 1430
Overall Dimension (mm)W*D*H	650*800 *1310	725*738 *1550	830*850 *1850	950*850 *1850	1475*890 *1780		830*850*1850	950*850 *1850	1475*890 *1780
Shelves per Chamber	3(pcs)						3(pcs)		

MGC-100
MGC-100P
MGC-200
MGC-200P

MGC_300A
MGC-300B
MGC-350BP
MGC-400B
MGC-400BP

MGC-300H
MGC-350HP
MGC-400H
MGC-450HP

* Model with "P" is programme control Series.

Mould Incubator

------Microprocessor Control

---------with Timing Function

Summary:

Serve for environmental protection hygiene and anti-epidemic, pharmaceutical test, workstock and aquatic products etc, which applied in scientific research institute, college and manufacture department, It is a dedicated constant-temperature equipment for analysis of water body ,BOD test, cultivation and storage of bacteria, moulds and microorganisms, plant cultivation and seed-breeding test.

Option accessories:

1. Printer

2. Independent temperature-limiting controller.

3. Test hole on the left(diameter-25mm)

4. BOD socket

5. RS485 connector and communication software.

Features:

1. Specular stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is

2. Microprocessor temperature controller ensures a precise and reliable control.

3. With circulating fan speed auto-control system, avoid the volatilization of sample when the fan speed is too fast.

4. Independent alarm system for temperature-limiting ensures experiments run safely and no accident would happen.(Option)

5. RS485 interface and printer interface may link computer& printer, can remote monitor the condition of machine.(Option)

6. International brand compressor and circulating fan, environmental protection cryogen(R134a), with high efficiency and low power consumption, promoting energy.(The model with "F" have this function)

Specifications:

Model	Mould Incubator		
	MJ-70F-I	MJ-150F-I	MJ-250F-I
Temperature Range	0~60ºC		
Temperature Control	0.1ºC		
Temperature Stability	High Temperature:±0.5 ºC/Low Temperature:±1.0 ºC		
Electrical Requirements	220V 50Hz (110V 60Hz Option)		
Ambient Temperature	+5~30ºC		
Input Power	350W	450W	650W
Interior Dimension (mm)W*D*H	400*350*500	500*370*800	520*460*1050
Overall Dimension (mm)W*D*H	530*560*1080	600*575*1325	620*690*1590
Shelves per chamber (Normal)	2(pcs)	3(pcs)	
Timing Range	1-9999 min		

*   Specification test under no load condition: ambient temperature is 20℃,and relative humidity is 50%.

Mould Incubator

-----LCD display

Features:

1. Use Freon-Free Compressor to protect environment.

2. With mirror surface in stainless steel, four square semicircle transition, shelf support handling freely, easy for cleaning within the case.

3. Giant-screen liquid crystal display, groups-data display in one screen, special all directions navigation key, easily operation, with more human nature in design.

4. Use new handling of fuzzy logic controller, fast to setvalue, accuracy and stable in operation.

5. International brand compressor and circulating fan, environmental protection cryogen(R134a),with high efficiency and low power consumption, promoting energy saving.

6. Independent temperature-limited alarm system can automatically interrupt when it is over limit temperature, ensuring the safe operation of the experiment, with no accident(Option)

7. RS485 interface may link computer and remote monitor the condition of machine.(Option)

8. There is a 25mm instruction connection hole on the left side of the case, easy for testing operation and temperature measurement.

Communicated function:

The information record and fault diagnosis applying to QA certification, all information can be download, being preserved in computer through RS485 port, detecting information and making diagnosis at any time when something is wrong.

Specifications:

Model	Temp Range	Temperature Control	Temperature Stability	Electrical Requirements	Ambient Temperature	Input Power	Interior Dimension	Shelves pel chamber	Timing Range
BPMJ-70F	0~60ºC	—,/ ºC	High Temperature ±0.5 ºC Low Temperature ±1 ºC	220V 50Hz (110V 60Hz)	+5~35ºC	400W	400*350*500	2(pcs)	1-9999 min
BPMJ-150F						700W	500*400*750	3(pcs)	
BPMJ-250F						900W	520*460*1050	3(pcs)	

GHP-9000 Series Water-Jacket Incubator

----Microprocessor Control(With Timing Function)

Features:

1. It is water –jacketed with a glass door in chamber for easy observation. When the glass door is opened, breeze circulation and heating system will automatically stop, which ensures no disadvantage of convection.

2. Microprocessor PID controller. Light alarm indicates over-temperature, low water-jacket level. Heating will be ceased when low water-jacket level

3. Independent alarm system for temperature-limiting ensures experiments run safely and no accident would happen. (Option)

4. Stainless steel chamber. Water-jacketed heating method ensures a uniform temperature and also keeps temperature constant for a long time after power off.

5. RS485 & printer connector are options, which can print or record set parameters and trace variation curves of temperature. (Option)

6. With circulating fan speed auto-control system, avoid the volatilization of sample when the fan speed is too fast.

Option accessories:

1. Control Board and Printer

2. Independent temperature-limiting controller.

3. RS485 connector and communication software.

4. Build in Ultraviolet Lamp.

Specification:

Model	GHP-9050	GHP-9080	GHP-9160	GHP-9270
Electrical Requirements	220V 50Hz (110V 60Hz Option)			
Heating Type	Water-Jacket			
Temperature Range	RT+5 - 65 ^{o}C			
Temperature Control	0.1 ^{o}C			
Temperature Stability	+/- 0.5^{o}C(At high temperature)			
Ambient Temperature	+5~35°C			
Cubage	50L	80L	160L	270L
Input Power	250W	350W	550W	1350W
Interior Dimension (mm)W*D*H	350*350*410	400*400*500	500*500*650	600*600*750
Overall Dimension (mm)W*D*H	500*500*700	550*550*800	650*640*950	750*740*1050
Shelves per chamber (Normal)	2(pcs)			
Timing Range	1-9999 min			

Drying/Cultivating Dual-Purpose Incubator

The new generation PH series drying/cultivating dual-purpose incubator is a high-quality, reliable and safe product manufactured by drawing from the company's many years of manufacturing experience and introducing German technologies.

The new-model drying/cultivating dual-purpose incubator uses blower fan to do the forced air contra-flow,

which offers direct assistance to colleges and universities, scientific research and production and provide reliable guarantee.

Features:

1. Internal stainless mirror plane and four half-arc squares are easy to clean and inside the incubator the space between the shelves is adjustable.

2. The microcomputer temperature controller guarantees the precise and reliable temperature control.

3. Design of forced warm wind circulation ensures the evenness of the temperature inside the working chamber.

4. Silicon rubber sealing bars and double-layer glass-door observation window makes observation convenient and clear.

5. Cycle and heating will stop after the door open.

Optional accessories:

1. Control board & printer.

2. Independent temperature-limiting controller.

3. RS485 interface and communication software.

Specification:

| Model | PH-030A | PH-050A | PH-070A | PH-140A | PH-240A |
	PH-030	PH-050	PH-070	PH-140	PH-240
Power Supply	220V 50HZ (110V 60Hz option)				
Temperature range	As Incubator: RT+5-80°C				
	As Oven: 80-220°C				
Working Temp.	+5δC~35δC				
Temperature Control	$\overline{\cdot}$,/ δC				
Temperature Fluctuation	As Incubator: $\overline{\cdot}$,3δC				
	As Oven: $\pm$,. δC				
Power	850W	1100W	1550W	2050W	2450W
Chamber dimension（mm)	340*325*320	420*395*350	450*400*450	550*450*550	600*550*600
External dimension（mm)	620*490*490	720*590*520	740*590*630	840*570*730	800*750*800
Timing Range	1~9999 min				
Shelves Per Chamber (Normal)	2 Piece				

Hot-Air Sterilizer

Summary:

The sterilizer takes advantage of high temperature disinfection principle, which destroys cell bioplasm, denatures protein and concentrates electrolyte to kill microorganisms.

Features:

1. Precise: High-precision LCD microprocessor temperature controller makes temperature control precision and reliable.

2. Rapid: Time of desiccation and sterilization is obviously shortened by rapid temperature-rising, forced-air convection, direct passing of dry and hot air through heated object.

3. Safety: Automatically shut down when the temperature is beyond limit to ensure safety of both personal & instrument.

4. Convenient: It provides operators with convenience by air inlet adjustment, timing control, shelf movement and easy chamber cleaning.

Specification:

Model	GRX-9023A	GRX-9053A	GRX-9073A	GRX-9123A	GRX-9203A
Power	220V 50HZ (110V 60Hz option)				
Temperature Range	RT+10~200°C/RT+10~250°C				
Display Resolution	0.1°C				
Temperature Stability	±/ $^{\circ}$C				
Ambient Temperature	+5~40°C				
Power Consumption	850W	1100W	1550W	2050W	2450W
Interior Dimension (W*D*H ,mm)	340*325*320	420*395*350	400*450*450	550*450*550	600*550*600
Exterior Dimension (W*D*H ,mm)	620*490*490	720*590*520	740*590*630	840*570*730	880*750*800
Shelves	2(Pcs)				
Timing Range	1~9999min				

Constant Temperature & Humid Incubator

---LCD Display

Summary:

This Model use Freon-Free Compressor to protect environment, it is equipped with a precise system of temperature and humidity control, which provide various necessary environmental simulative conditions for industrial researches and biotechnology tests. Widely applied in sterile tests and stability check-up of pharmaceuticals, textile and food processing as well as tests in material performance, packing and lifetime of industrial

Features:

1. This model use dry and wet bulb type multi-function programmable temperature & humidity controller, can reach the target value quickly and work more precision & stabilization.

2. Use giant-screen LCD (20 words*6 row), keyboard input, operation simply.

3. With mirror surface in stainless steel for inner, four square semicircle transition, shelf support handling freely, easy for cleaning within the case.

4. International brand compressor and circulating fan, environmental protection cryogen (R134a), with high efficiency and low power consumption, promoting energy saving.

5. RS485 interface are options, which connect to computer to record variation curves of temperature. (Option)

6. A test hole (25mm) in the left of machine, easy to operation & measure temperature.

7. Observe windows in the door (Option).

Specifications :

Model	Temperature Range	Temperature Control	Temerature Stability	Humidity Range	Humidity Stability
BPS-100CH	RT+10~85°C		±1.0°C	80~95%	
BPS-100CL	-10~85°C				
BPS-100CA	-20~85°C				
BPS-100CB	-40~85°C	0.1°C	High Temp —,3δC	45~95%	±3%RH
BPS-250CL	-10~85°C		Low Temp —,. δC		
BPS-250CA	-20~85°C				
BPS-250CB	-40~85°C				

Model	Input Power	Ambient Temperature	Electrical Requirements	Interior Dimension (mm)W*D*H	Overall Dimension (mm)W*D*H	Shelves per Chamber (Normal)
BPS-100CH	1450W					
BPS-100CL	1450W			500*400*600	650*800*1360	
BPS-100CA	1700W	+5~35°C	220V 50HZ (110V 60Hz option)			3(PCS)
BPS-100CB	2000W					
BPS-250CL						
BPS-250CA	2500W			600*500*830	750*900*1580	
BPS-250CB						

Note: BPS-100CH don't have refrigeration function.

Constant Temperature & Humid Incubator

---Balance Control

Summary:

This Model use Freon-Free Compressor to protect environment, it is equipped with a precise system of temperature and humidity control, which provide various necessary environmental simulative conditions for industrial researches and biotechnology tests. Widely applied in sterile tests and stability check-up of pharmaceuticals, textile and food processing as well as tests in material performance, packing and lifetime of industrial products.

Features:

1. Specula stainless steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.

2. Microprocessor controller for temperature and humidity ensures precise and reliable control. Controller and compressor use international famously brand.

3.Independent alarm system for temperature-limiting, can auto shutdown the machine when over temperature- ensures experiments run safely and no accident would happen.

4. A test hole (diameter-25mm) is placed in left side of chamber.

5. Can equipped with recorder to record the variation curves of temperature & humidity. (Option)

Specifications :

Model	Temperature Range	Temperature Control	Temerature Stability	Humidity Range	Humidity Stability
LHS-100CH	RT+10~85°C		—,. °C	80~95%	
LHS-100CL	-5~85°C	0.1°C	High Temp ±0.5 °C		—1# PF
LHS-100CA	-20~85°C		Low Temp —,. °C	45~95%	
LHS-100CB	-40~85°C				

Model	Input Power	Ambient Temperature	Electrical Requirements	Interior Dimension (mm)W*D*H	Overall Dimension (mm)W*D*H	Shelves per Chamber (Normal)
LHS-100CH	1450W					
LHS-100CL	1450W	+5~35°C	220V 50HZ (110V 60Hz option)	500*505 *600	650*800*1360	3(PCS)
LHS-100CA	1700W					
LHS-100CB	2000W					

Note: LHS-100CH don't have refrigeration function.

LHS-80HC-I(II)
LHS-150HC-I(II)
LHS-250HC-I(II)

LHS-150SC
LHS-250SC

LHS Constant Temperature & Humid Incubator

---Microprocessor Controller

Summary:

This Model use Freon-Free Compressor to protect environment, it is equipped with a precise system of temperature and humidity control, which provide various necessary environmental simulative conditions for industrial researches and biotechnology tests. Widely applied in sterile tests and stability check-up of pharmaceuticals, textile and food processing as well as tests in material performance, packing and

Features:

1. Specula stainless steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is
2. Microprocessor controller for temperature and humidity ensures precise and reliable control. Controller and compressor use international famously brand.
3. Independent alarm system for temperature-limiting, can auto shutdown the machine when over temperature- ensures experiments run safely and no accident would happen.(Option)
4. RS485 interface are options, which connect to computer to record variation curves of temperature. (Option)
5. A test hole (25mm) in the left of machine, easy to operation & measure temperature (Except LHS-150SC).

Option accessories:

1. Control Board and Printer.
2. Independent temperature-limiting controller.
3. Test hole on the door. (Except SC).

Specifications :

Model	Professional Constant Temperature & Humid Incubator			Economic Constant Temperature & Humid Incubator	
	LHS-80HC-I LHS-80HC-II	LHS-150HC-I LHS-150HC-II	LHS-250HC-I LHS-250HC-II	LHS-150SC	LHS-250SC
Temperature Range	I:-5 ~ 60 ^{o}C II::-10 ~ 80 ^{o}C			15 ~ 45 ^{o}C(With humidity) 10 ~ 45 ^{o}C(Without humidity)	
Temperature Control	0.1 ^{o}C				
Temperature Stability	±0.5^{o}C(At high temperature) ±1°C(At low temperature)			±1 ^{o}C(At high temperature) ±2 ^{o}C(At low temperature)	
Humidity Range	I: 40 ~ 85% II: 40 ~ 95%			60 ~ 85%RH	60 ~ 85%RH
Humidity Stability	+/- 3% RH			±5% ~ 8%RH	
Electrical Requirements	220V 50Hz (110V 60Hz option)				
Ambient Temperature	+5~30°C				
Input Power		1760W	25000W	680W	850W
Interior Dimension (mm)W*D*H	400*400*500	550*400*680	600*500*830	500*370*800	600*500*830
Overall Dimension (mm)W*D*H	550*790*1080	700*800*1430	750*900*1580	600*575*1325	750*900*1580
Shelves per chamber (Normal)	2(pcs)	3(pcs)			
Remark	I: Printer is optional II: Printer is equipped			RS485 interface & building-in printer is optional	

Dry Bath & Water Bath

Water Bath Shaker
Heating-Bath
Oil-Bath
Circulating Bath
Dry Bath (Incubator)

HH-S11.4

HH-W420 Digital Display Three-purpose Thermostatic Water Tank

HSS-1 (601) Super Thermostatic Water-bath (Digital Super Thermostatic Water Tank)

HH Series Electronic Thermostatic Water-bath Boiler

Usage and Features:

Electric thermostatic water-bath boil and water tank adopt the imported quality stainless steel plate and are manufactured by precision machining process with features of resistant to high temperature and resistant to corrosion. The temperature control device adopts the stability operation amplifier and double integral high precision A/D conversion technology: infrared heating technology. With magnetic mixing, its thermal balance time is short, the temperature variation is small, evenness is good and the LED display is accurate and obvious.

This product applies extensively into distill, dry, condense and warm-soil the chemical drugs or biological products.

Specification:

Size and Model	HH-S1	HH-S11.2	HH-S11.4	HH-S11.6	HH-S21.4	HH-S21.6	HH-S21.8
Name	Thermostatic Water-bath Boiler						
Type	Single Row 1 Hole	Single Row 2 Holes	Single Row 4 Holes	Single Row 6 Holes	Double Rows 4 Holes	Double Rows 6 Holes	Double Rows 8 Holes
Power Supply	220V 50-60HZ						
Heating Power	300W	500W	1200W	1800W	1200W	1800W	1800W
Range of Temperature Control	RT-100°C						
Water Temperature Variation	≤0.5°C						
Temperature Control Accuracy	≤1°C						
Working Volume (cm3)	18*18*9	30*18*9	60*18*9	90*18*9	32*32*9	46*32*9	62*32*9

Size and Model	HH-W420	HH-W600
Name	Digital Display Three-purpose Thermostatic Water Tank	
Type	2 Holes	6 Holes
Heating Power	800W	1500W
Temp Control Range	RT-100£C	
Working Chamber	42*18*18cm	60*30*18cm

Size and Model	HSS-1 (601)
Name	Super Thermostatic Water-bath (Digital Super Thermostatic Water Tank)
Range of Temperature Control	RT-95°C
Water Temperature Variation	≤0.1°C
Working room dimension	220mm*160mm*160mm (HSS-1) 280mm*200mm*185mm (601)
Circulate System	Stainless Steel Circulator

Size and Model	HH-S	HH-SC
Name	Thermostatic Oil-bath Boiler	
Heating Power	2000W	
Range of Temperature Control	RT-300Ṇ , LED display	Control Temperature: RT-300Ṇ , with the circuit system, high Accuracy

HH-S1

HH-S11.2

HH-S21.4

HH-S21.6

Contanst-temperature water bath shaker

Features:

Widely applicable for laboratory researches on bacteria cultivation, fermentation, hybridization, chemical and biochemical reaction, enzymes and tissues research, which have a high requirement on precision of shaking speed and temperature.Timing Range:1~9999min.

Specifications:

Model	DKZ-2	DKZ-3
Temperature Range	RT+5~99°C	
Temperature Control	0.1£C	
Temperature Uniformly	¤0.1 £C	
Shaking Frequency	30~150 r/Min	
Shaking Speed Range	30~40mm Optional	
Input power	1250W	1650W
Interior Dimension (mm)W*D*H	438*310*250	618*310*250
Overall Dimension (mm) W*D*H	643*350*353	823*350*355

DK-8D heating Bath

DKB/CU Series Heating Bath

DK Series Heating Bath (DK-8AX)

Heating Bath & Super Heating Bath

---------Microprocessor Control (with timing function)

Summary:

Provided to colleges, industrial and mining enterprises and scientific research departments for precise constant temperature and auxiliary heating.

Features:

1) Interior of bath is made of stainless steel with a beautiful and novel appearance.
2) Digits display, Microprocessor control with timing function.
3) Audible and visible tracking alarm indicates overtemperature, which provide samples reliable protection.

Option: intelligent programable LCD temperature controller

Specifications:

Model	Heating Bath	Heating Bath (interior and exterior are all made of stainless steel)	Heating Circulating Bath (With electromagnetic-pump)	Heating Bath(3 holes)
	CU-420	DK-8AXX	DKB-600B	DK-8D
	CU-600	DK-8AX	DK-8AB	
		DK-8AD		
Electrical Requirements	220V 50HZ (110V 60Hz option)			
Input Power	500W/1000W	400W	1000W	750W
		600W		
		1000W		
Temperature Range	RT+5~99£C		RT+5~70°C	RT+5~99°C
Temperature Stability	¤0.5£C		¤0.3£C	
Temperature Resolution	0.1£C			
Chamber Capacity	11L	12L	22L	2.1L*3
	34L	22L	30L	
		30L		
Interior Dimension(mm) W*D*H	420*180*150	300*240*160	500*300*150	150*125*110
	600*300*190	450*300*160	600*300*170	
		600*300*160		
Overall Dimension(mm) W*D*H	570*220*260	460*280*190	660*340*200	490*245*310
	750*350*300	610*340*190	770*370*280	
		760*340* 190		
Timing Range	1~9999min			

MP-501A

Specifications:

Model	Super Heating Bath (with outer cycle) MP-501A
Electrical Requirements	220V 50HZ (110V 60Hz option)
Input Power	2000W
Temperature Range	RT+5~100°C
Temperature Stability	±0.2°C
Tracking Aarm	+2°C
Chamber Capacity	14.5L
Interior Dimension W*D*H	240*170*200 mm
Overall Dimension W*D*H	305*480*470 mm
Timing Range	1~9999min

Circulating Bath (Constant Temperature)

---------Microprocessor Control

Summary:

The latest constant temperature bath system integrates many-year experience of our company, With the technology introduced and absorbed from Germany, it is top-quality,

safe and reliable. It is widely applicable for the fields such as petroleum, chemical industry, medicine, life sciences, measurement, light industry and scientific research.

Features:

1) A powerful pressure suction pump provides a constant temperature supply for external tank

2) It is equipped with a interface to the external water bath

3) Intelligent microprocessor temperature controller makes temperature precise and reliable

4) Audible and visible tracking alarm indicates over-temperature and low temperature.

as well as liquid level protecting function, which all provide samples reliable protection, and ensure no accident

5) Recorder and printer are options which can print or record set parameters and trace variation curves of temperature.

Specifications:

Model	Temperature Range	Precision	Peristome Dimension (mm)W*D*H	Cubage	Electrical Requirement	Pump(flux)	Input Power
MP-5H	RT+5~100ºC	±0.1ºC	150*160*150	6.7L	220V 50HZ (110V 60Hz option)	4L/m	2000W
MP-13H	RT+5~100ºC	±0.1ºC	240*170*150	10.9L			
MP-19H	RT+5~100ºC	±0.1ºC	330*300*150	22.5L			

* When it is used in the case of above 80°C,use mineral oil as liquid medium.

* When it is used in the case of below 5°C,use antifreeze(absolute alcohol or absolute glycol) as liquid medium.

* Ambient temperature is+5~35°C.

Notes: Tube holders are options.

Specification test condition: ambient temperature is 20ºC; Electrical requirements are 220V/50HZ;liquid medium is pure water.
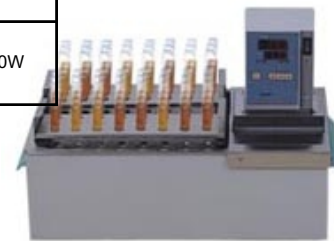
Circulating Bath (Refrigerating & Heating)

---------Microprocessor Control

Summary:

The latest constant temperature bath system integrates many-year experience of our company, With the technology introduced and absorbed from Germany, it is top-quality, safe and reliable. It is widely applicable for the fields such as petroleum, chemical industry, medicine, life sciences, measurement, light industry and scientific research.

Features:

1) A powerful pressure suction pump provides a constant temperature supply for external tank.

2) It is equipped with a interface to the external water bath.

3) Intelligent microprocessor temperature controller makes temperature precise and reliable.

4) Audible and visible tracking alarm indicates over-temperature and low temperature. As well as liquid level protecting function, which all provide samples reliable protection, and ensure no accident.

5) Recorder and printer are options which can print or record set parameters and trace variation curves of temperature.

Specifications:

Model	Temperature Range	Precision	Peristome Dimension (mm)W*D*H	Cubage	Electrical Requirement	Pump(flux)	Heat Power
MP-10C	-10~100ºC	±0.2ºC	150*160*150	4.5L	220V 50HZ (110V 60Hz option)	4L/m	2000W
MP-20C	-20~100ºC					4L/m	
MP-30C	-30~100ºC					10L/m	
MP-40C	-40~100ºC					10L/m	
MPG-10C	-10~100ºC		240*170*200	13L		4L/m	
MPG-20C	-20~100ºC					4L/m	
MPG-40C	-40~100ºC					10L/m	

* When it is used in the case of above 80£C,use mineral oil as liquid medium.

* When it is used in the case of below 5£C,use antifreeze(absolute alcohol or absolute glycol) as liquid medium.

* Ambient temperature is+5~35£C.

Notes: Tube holders are options.

Specification test condition: ambient temperature is 20ºC; Electrical requirements are 220V/50HZ;liquid medium is pure water.

SME-20C
SME-30C
SME-40C

Specifications:

Model	Temperature Range	Precision	Peristome Dimension (mm)W*D*H	Cubage	Electrical Requirement	Pump(flux)	Heat Power
MPE-20C	-20~100ºC	±0.02ºC	240*170*200	13L	220V 50HZ (110V 60Hz option)	15L/m	2000W
MPE-30C	-30~100ºC						
MPE-40C	-40~100ºC						

MPE Series Use Germany Julabo temp controller

Circulating Bath (for Heating)

---------Microprocessor Control

Summary:

The latest constant temperature bath system integrates many-year experience of our company, With the technology introduced and absorbed from Germany, it is top-quality, safe and reliable. It is widely applicable for the fields such as petroleum, chemical industry, medicine, life sciences, measurement, light industry and scientific research.

Features:

1) A powerful pressure suction pump provides a constant temperature supply for external tank.

2) It is equipped with a interface to the external water bath.

3) Intelligent microprocessor temperature controller makes temperature precise and reliable.

4) Audible and visible tracking alarm indicates over-temperature and low temperature.

as well as liquid level protecting function, which all provide samples reliable protection, and ensure no accident.

5) Recorder and printer are options which can print or record set parameters and trace variation curves of temperature.

Specifications:

Model	Temperature Range	Precision	Peristome Dimension (mm)W*D*H	Cubage	Electrical Requirernent	Pump (flux)	Input Power
MPG-100H	RT+5~100ºC	±0.2ºC	240*170*200	14.5L	220V 50HZ (110V 60Hz option)	4L/m	2000W

* When it is used in the case of above 80°C,use mineral oil as liquid medium.

* When it is used in the case of below 5°C,use antifreeze(absolute alcohol or absolute glycol) as liquid medium.

* Ambient temperature is+5~35°C.

Notes: Tube holders are options.

Specification test condition: ambient temperature is 20ºC; Electrical requirements are 220V/50HZ;liquid medium is pure water.

Circulating Bath (With observation window)

---------Microprocessor Control (with timing function)

Summary:

Provided to colleges, industrial and mining enterprises and scientific research departments for precise constant temperature and auxiliary heating

Features:

1) Interior of bath is made of stainless steel with a beautiful and novel appearance

2) Digits display, Microprocessor control with timing function.

3) Audible and visible tracking alarm indicates over temperature, which provide samples reliable protection

Option: intelligent programmable LCD temperature controller

Specifications:

Model	Circulating Bath (With observation window)
	TS-030
Electrical Requirements	220V 50HZ (110V 60Hz option)
Input Power	1100W
Temperature Range	RT+5~70ºC
Temperature Stability	±0.3ºC
Chamber Capacity	27L
Interior Dimension (mm)W*D*H	300*300*300
Overall Dimension (mm)W*D*H	480*370*380
Timing Range	1~9999min

Oil Bath

Summary:

Provided to colleges, industrial and mining enterprises and scientific research departments for precise constant temperature and auxiliary heating.

Features:

1) Interior of bath is made of stainless steel with a beautiful and novel appearance.

2) Digits display, Microprocessor control with timing function.

3) Audible and visible tracking alarm indicates overtemperature, which provide samples reliable protection.

Option: intelligent programable LCD temp erature controller

Specifications:

Model	Oil Bath DU-20
Electrical Requirements	220V 50HZ (110V 60Hz option)
Input Power	1000W
Temperature Range	RT+20~200°C
Temperature Stability	±0.5°C
Tracking Aarm	±2°C
Chamber Capacity	12L
Interior Dimension (mm)W*D*H	250*250*200
Timing Range	1~9999min

MK-10 / MK-20 Dry Bath Incubator

The Dry Bath Incubator is a microprocessor-controlled product using advanced thermoelectric technique.
With this technique, more stable and accurate temperature control is achieved. Replacement is convenient with
optional metal modules of various specifications configured for different types of test tubes.

Feature:

1. LCD display. It's easy to setup and use
2. Simultaneous display of set and actual time, temperature
3. Temperature deflection adjusting meet with different demands
4. As it is equipped with various optional blocks, the instrument can adapt to
different tubes & wells to cope with experimental needs. It is easy to replace the
metal blocks and is very simple to clean and sterilize.
5. Customized blocks are available to suit your specific demands
6. Microprocessor controlled incubation time and temperature
7. Beep-signal / Stop after program completion
8. Peltier design of MK-20 provides efficient thermal control

Specification

Model	MK-10	MK-20
Temp.Control Reange	RT+5~100 Deg.C	-10 ~ 100 Deg.C
Timing Range	1min ~99h59min	1min ~99h59min
Temp.Control Accuracy	±0.5 deg.C	±0.5 deg.C
Display Accuracy	0.1 Deg.C	0.1 Deg.C
Heating Time	<12 Min	<20 Min
Cooling Time (*)	---	<30 Min
Heating Parts	Heater	Peltier
Cooling Parts	---	Peltier
Dimension (L*W*H) mm	300*212*180	300*212*180
Certificate	------	CE
Net Weight	2.5Kg	5.0Kg
Power	AC220V/110V	AC220V/110V

Blocks

Type	Parameter
A	96*0.2ml
B	54*0.5ml
C	35*1.5ml
D	35*2.0ml
E	15*0.5ml+20*1.5ml
F	24*Dia.<12mm Tube
G	12*15ml Falcon
H	6*50ml Falcon
I	103*67*30 Water Bath Block
J	96 Well Microplate
K	24*5ml Tubes
L	96-Deep weel plate

* Cooling rate <25 min (20 Deg.C to -5 deg.C) if the room temperture is lower than 30 deg.C
* Cooling rate <30 min (20 Deg.C to -10 deg.C) if the room temperture is lower than 25 deg.C

K30 Dry Bath Incubator

The K30 Dry Bath Incubator is a microprocessor-controlled product using advanced
With this technique, more stable and accurated temperature control is achieved. Re
with optional metal block of various specifications configured for different types of t
Features:

1. Cost effective, LED display
2. Precise microprocessor control
3. Temperature and time can be set
4. Built-in over-temperature protection
5. Aluminum blocks ensure uniform temperature maintenance
6. Buzzer alarm when temperature control ends
7. Only heating design and custom blocks are available

K-30

Specification

MODEL	K30
Temp.Control Range	RT +5 Deg.C ~100 Deg.C
Timing Range	1min ~ 99h59min
Temp.Control Accuracy	±0.5 Deg.C
Display Accuracy	0.1 Deg.C
Heating Time	<20min (20 Deg.C to 100 Deg.C)
Heating Parts	Heater
Dimension(mm)	225*160*197(L*W*H)
Net Weight	3kg
Power Supply	AC220V or AC120V 50/60Hz 150W

Blocks for K30 Dry bath(Option)

Parameter	Type	Dimension(mm)
A-30	PCR tubes 96*0.2ml	Φ108×32
B-30	29*0.5ml+32*1.5ml	Φ108×32
C-30	61*0.5ml	Φ108×32
D-30	41*1.5ml	Φ108×32
E-30	41*2.0ml	Φ108×32
F-30	61*Φ6mm	Φ108×32
H-30	36*Φ12mm	Φ108×50
I-30	36*Φ13mm	Φ108×50
J-30	21*Φ15mm	Φ108×50
K-30	21*Φ16mm	Φ108×50
L-30	17*Φ18mm	Φ108×50
M-30	14*Φ20mm	Φ108×50
N-30	8*Φ25mm	Φ108×50
O-30	4*Φ32mm	Φ108×50

MK200 Series Dry Bath Incubator

Specification

MODEL	MK200-1	MK200-1A	MK200-2	MK200-4
Temp.Control Range	RT+5 Deg.C~150 Deg.C			RT+5 Deg.C~120 Deg.C
Timing Range	1-99h59min			
Temp.Control Accuracy @40℃	±0.3 Deg.C			
Temp.Control Accuracy @40℃~100℃	±0.5 Deg.C			
Temp.Control Accuracy @100℃~150℃	±1 Deg.C			
Display Accuracy	0.1 Deg.C			
Heating Time (40~150℃)	<30min			
Number of Sample Blocks	1	1	2	4
Display	LED	LED	LED	LED
Dimension (mm)	280*240*110	280*240*110	280*240*110	380*240*110

Blocks for MK200 Dry Bath (Option)

Type	Parameter	Capacity	Dimension (mm)
BK01	Φ6mm	49	96*96*49
BK02	Φ7mm	49	96*96*49
BK03	Φ10mm	25	96*96*49
BK04	Φ12mm	25	96*96*49
BK05	Φ13mm	25	96*96*49
BK06	Φ15mm	12	96*96*49
BK07	Φ15mm	16	96*96*49
BK08	Φ16mm	12	96*96*49
BK09	Φ16mm	16	96*96*49
BK10	Φ19mm	12	96*96*49
BK11	Φ19mm	16	96*96*49
BK12	Φ20mm	9	96*96*49
BK13	Φ26mm	9	96*96*49
BK14	Φ28mm	4	96*96*49
BK15	Φ40mm	4	96*96*49
BK16	0.5ml	49	96*96*49
BK17	1.5ml	25	96*96*49
BK18	2.0ml	25	96*96*49
BK19*	0.2ml	96	78*114*26
BK20*	96*0.2ml	Microplate	81*123*19

Notice: BK19, BK20 only used in the MK200-1A
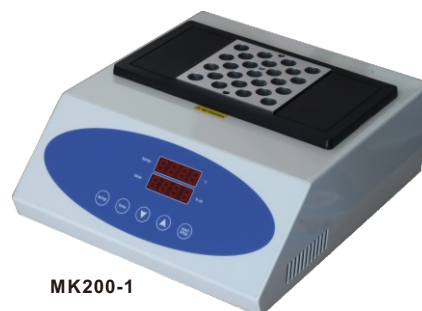
MK200-1

MK200-2

MK200-4

Mini Dry Bath Incubator

The Mini Dry Bath Incubator is a microprocessor-controlled product using advanced thermoelectric technique. Each unit includes a clear plastic cover that provides enhanced temperature uniformity and ramping time. A convenient block lifter is also included, allowing block to be removed from the instrument before they have cooled.

Features:

1. LCD display. It is easy to setup and use
2. Simultaneous display of set and actual time, temperature
3. Temperature deflection adjusting meet with different demands
4. Beep-signal / Stop after program completion
5. Mini-dimensions: Mini Dry Bath is a personal sized Dry Bath that fits in the palm of your hand
6. Six aluminum blocks are available covering a range of tube sizes from 0.2ml to 50ml.

*1. MiniT-100H Dry bath incabator only holds one type block (A-MiniT block)

*2. Z-MiniT Block is usually used in antibiotic residues in milk, it can heat the reagent and the milk allows an efficient binding rate of the antibiotics to the receptors. The mini-dimensions are very suitable for user.

Model	MiniT	MiniT-100	MiniT-100H
Temp Control Range	RT+5 ~ 80 Deg.C	RT+5 ~ 100 Deg.C	
Timing Range	0~999 Min Or 0~999 Sec		
Temp Control Accuracy	±0.5 Deg.C		
Display Accuracy	0.1 Deg.C		
Heating Time (20 Deg.C to Max.Temp.)	<12 Min	<15 Min	
Temp.Control Accuracy @40 Deg.C	0.3 Deg.C		
Heating Lid	No	No	Lid (*)
Heating Lid temperature Range	No	No	RT+5 ~ 100 Deg.C
Dimension (L*W*H) mm	110*150*80	120*152*112	
Net Weight	0.5Kg	0.85Kg	0.9Kg

Blocks for MiniT Dry Bath (Option)

Type	Dimension
A-MiniT	40*0.2ml
B-MiniT	24*0.5ml
C-MiniT	15*1.5ml
D-MiniT	15*2.0ml
E-MiniT	8-12.5*12.5*32mm
F-MiniT	4*15ml
G-MiniT	2*50ml
Z-MiniT (*)	5-8*0.2ml Microplate

MiniT

MiniT-100

MiniT-100H

MK100-2A Incubator

Features:

1. Precise microprocessor controlled time and temperature
2. Beep-signal and stop of after program completion
3. Heating plates above and below the microplates
4. Excellent temperature accuracy and uniformity across the plates
5. User definable parameters - temperature and time

Spec:

Model	MK100-2A
Temperature Control Range	RT+5 ~ 70 Deg.C
Timing Range	1 min~99h59min
Temperature Control Accuracy	±0.5 Deg.C
Display Accuracy	0.1 Deg.C
Heating Speed	<25 Min
Capacity	2 Microtest Plates
Dimensions (L*W*H) mm	280*270*140
Net Weight	4Kg

MK100-2A

K37-24 ID Incubator

Features:

K37-24 ID Incubator

1. Incubator for 24-Gel Cards in racks at 37°C
2. 2 independent incubation zones with a capacity for 12 Gel cards
3. Digital interface screen for control and visualization of remaining incubation time and real
4. Fixed pre-set temperature of 37 degree
5. Pre-set incubation time of 15 minutes, which can be adjust by the user
6. Audible programmable alarm to notify end of incubation period

Specification:

1. Capacity: 24 Gel cards
2. Temperature: 37°C
3. Timer: 15min (Variable)
4. Power: AC220V or AC120V 50-60Hz, 300W
5. Dimensions: D*W*H=380*220*115 mm

MiniT-1 / MiniT-3 Biological Indicator Incubator

The MiniT-1 / MiniT-3 Biological Indictaor Incubator is designed for temperature incubation of the EO Biological Indicators.
It provides easy verification of incubation temperature.

Features:

1. LCD display, with 12V power for ease of portability
2. The Incubator has many wells for placement of the biological indicator vials and the wells can be custom-made. User can set the incubating temperature.
3. Matereials: Aluminium block
4. Well Diameter: According to custom-making

Specification:

Model	MiniT-1	MiniT-3
Temperature Control Range	RT+5°C~80°C	RT+5°C~100°C
Timing Range	1min~99h59min	
Temperature Control Accuracy	±0.5°C	
Display Accuracy	0.1°C	
Heating Time(20°C to 57°C)	≤6min	
Temp.Control Accuracy @57°C	0.35°C	
Dimensions (LxWxH) mm	110x150x80	120x152x112
Net Weight	0.5kg	0.85kg

Block (Option)

A-MiniT-1   15xΦ10mm
B-MiniT-1   12xΦ12mm
C-MiniT-1   6xΦ15mm
D-MiniT-1   6xΦ16mm
E-MiniT-1   18xΦ9mm

High Speed Centrifuge
Low Speed Centrifuge
Other centrifuge

TGL-18000-CR High Speed desk-top refrigeated centrifuge

The TGL-18000CR uses Imports French Tecumseh compressor and unit, also uses the frequency conversion brushless motor, widely used in qualitatives analysis which need Separation of less sample and low temperature, such as cell, genetic, protein & chloroplast experiment.

1. Small size, Modeling elegant appearance, low noise, high separation efficiency, high precison temperature control.
2. frequency conversion brushless Motor, electronic door lock.
3. Rotor use High quality alloy materials & advanced technology nanotechnology, low noise.
4. Use metal case, inner main parts use stainless steel, use Once shaping technique.
5. uses Imports French Tecumseh compressor and unit which have good refrigeration effect, user interface is friendly.
6. Patented* Cutting-edge equipment:
* All computor control variable-frequency motor, with precise run speed.
* Self control electronic door lock.
* Elastic Open type hinged, the door can stay on any angle.
* Have damping device and automatic adjustment of motor imbalance.

Spec:

Speed Range	100-18000 RPM
Rotate Speed Precision	<50 rpm
Temperature Range	-5 ~ 30 Deg.C
Timer Range	0min ~ 99min
Noise	<72 dB
Max .RCF	23545(xg)
Power	220v 50Hz (110V option)
Dimensions	600mm*460mm*365mm(L*W*H)
Weight	35kg

Rotor option

Model	Max Speed	Max.RCF	Rotor Type	Capacity
No.1 Rotor	18000RPM	23545xg	Flxed angle	1.5ml*12
No.2 Rotor	16000RPM	23469xg	Flxed angle	1.5ml*18
No.3 Rotor	12000RPM	15294xg	Flxed angle	5ml*14
No.4 Rotor	12000RPM	15294xg	Flxed angle	7ml*10
No.5 Rotor	10000RPM	9503xg	Flxed angle	10ml*12

TGL-16gr/TDL-5000br/TGL-16ar/TGL-20br
High Speed desk-top refrigeated centrifuge

The machine use HITACHI refrigerate system, centrifuge are controlled by microcomputer, the structures are reasonable and compact. They have the features of small volume, special structure, beautiful apperance, low noise in high speed, low temperature, and high separation efficiency. These instruments are controlled by microcomputor, operation is simple and easy. They also have electronic locks, to make it safe and reliable.
They are applicable to the experiments of analysis in the fields such as biology, medicine and agriculture, especially applucable to research work of genetics and nucleoprotein.

Spec:

Temperature Range	-5 ~ 30 Deg.C
Temperature Accuracy	<2 Deg.C
Timer Range	0min ~ 99min
Noise	<72 dB
Power	220v 50Hz (110V option)

Rotor

	Model	Max Speed	Max.RCF	Rotor Type	Capacity
TDL-16gr Rotor	No.1 Rotor	16000RPM	15455xg	Fixed angle	0.2/2ml*12
	No.2 Rotor	12000RPM	9820xg	Fixed angle	1.5/2ml*24
	No.3 Rotor	10000 RPM	8944xg	Fixed angle	10ml*12
	No.4 Rotor	6000 RPM	4025xg	Horizontal type mould reaction	80 holes

	Model	Max Speed	Max.RCF	Rotor Type	Capacity
TDL-5000br Rotor (frequency converter AC motor)	No.1 Rotor with wind cover	5000RPM	5000xg	Swing Bucket Rotor	250ml*4
					50ml*8
					10ml*36
	No.2 Rotor	4000RPM	5635xg	Radioimmunoassay of Rotor	6ml*96

	Model	Max Speed	Max.RCF	Rotor Type	Capacity
TGL-16ar (frequency converter AC motor)	No.1 Rotor	16000RPM	15455xg	Fixed angle	0.2/2ml*12
	No.2 Rotor	12000RPM	9820xg	Fixed angle	1.5/2ml*24
	No.3 Rotor	10000 RPM	8944xg	Fixed angle	10ml*12
	No.4 Rotor	6000 RPM	4025xg	Horizontal type mould reaction	80 holes

	Model	Max Speed	Max.RCF	Rotor Type	Capacity
TGL-20br (frequency converter AC motor)	No.1 Rotor	20000RPM	24596xg	Fixed angle	1.5ml*12
	No.2 Rotor	15000RPM	15093xg	Fixed angle	5ml*12
	No.3 Rotor	10000 RPM	8944xg	Fixed angle	10ml*12
	No.4 Rotor	8000 RPM	7012xg	Fixed angle	50ml*6

TDL-40C, TDL-50C & TDL-60C Low Speed Large capacity Desk-top Centrifuge

The machine uses the frequency conversion brushless motor, low noise, easy operation, safe and reliable, can be widely used in biology, chemistry, medicaion and other areas of experimental and research work of blood, plasmaurine.

1. Great range and high precision control
2. Frequency conversion Motor, electronic door lock
3. Advanced technology nanotechnology, low noise.
4. Use metal case, inner main parts use stainless steel, use Once shaping technique.
5. Unique duct design a comprehensive intelligent display, low temp rise,.
6. Patented* Cutting-edge equipment:
* All computor control variable-frequency motor, with precise run speed.
* Self control electronic door lock.
* Elastic Open type hinged, the door can stay on any angle.
* Have damping device and automatic adjustment of motor imbalance.

Spec:

Timer Range	0min ~ 99min
Noise	<70 dB
Power	220v 50Hz (110V option)
Whole Power	400W
Speed Range	100-4000 RPM
	100-5000 RPM
	100-6000 RPM
Rotate Speed Precision	<20 rpm
Temperature Rise	<5 Deg.C
Dimensions	470mm*610mm*420mm(L*W*H)
	380mm*480mm*330mm(L*W*H)
Weight	35/25kg

Rotor

Model	Max Speed	Max.RCF	Rotor Type	Capacity	
No.1 Rotor	4000RPM	1430xg	Swing Bucket Rotor	100ml*4	For TDL-40C
				50ml*8	
				15ml*24	
No.2 Rotor	5000RPM	2220xg	Swing Bucket Rotor	15ml*18	For TDL-50C
No.3 Rotor	6000RPM	2325xg	Angle Rotor	15ml*12	For TDL-60C

TGL-18C High Speed Desk-top Centrifuge

The machine uses the frequency conversion brushless motor, low noise, easy operation, safe and reliable, can be widely used in biology, chemistry, medicaion and other areas, used in genes, proteins nucleic acids and other research is more significant.

1. The machine use microcomputer control & requency conversion brushless motor, operation simple.
2. High presision, small size and high efficency.
3. Frequency conversion Motor, electronic door lock
4. Advanced technology nanotechnology, low noise.
5. Use metal case, inner main parts use stainless steel, use Once shaping technique.
6. Unique duct design a comprehensive intelligent display, low temp rise.
7. Patented* Cutting-edge equipment:
* All computor control variable-frequency motor, with precise run speed.
* Self control electronic door lock.
* Elastic Open type hinged, the door can stay on any angle.

Spec:

Timer Range	0min ~ 99min
Noise	<70 dB
Power	220v 50Hz (110V option)
Whole Power	250W
Speed Range	100-18000 RPM
Rotate Speed Precision	<50 rpm
Temperature Rise	<6 Deg.C
Dimensions	350mm*450mm*310mm(L*W*H)
Weight	22kg

Rotor:

Model	Max Speed	Max.RCF	Rotor Type	Capacity
No.1 Rotor	18000 RPM	21000xg	Angle Rotor	1.5mlm*12
No.2 Rotor	14000 RPM	14243xg	Angle Rotor	7mlml*8
No.3 Rotor	14000 RPM	13850xg	Angle Rotor	5ml*10

TDL-60B/TDL-50B/TXL-4.7
Low Speed Centrifuge

The machine's frme is made of high strength plastic, so it's weight is light, the noise is low when running, it is controlled by microcomputer. The motor has a wide range of speed & run precisely. It can be operated simply and conveniently. It is safe and reliable because of being equipped with electronic door lock.

It can be used for qualitative analysis to serum, plasma, eviction in the fields of biology, chemistry, medicine and so on.

Specification:

Timer Range	0~60 Min
Noise	<70dB
Power	200V/50Hz (110V optional)

Rotor:

Model	Max Speed	Max.RCF	Rotor Type	Capacity	
No.1 Rotor	6000RPM	5200xg	Angle Rotor	20ml*12	For TDL-60B
No.2 Rotor	5000RPM	3800xg	Swing Bucket Rotor	20ml*8	For TDL-50B
No.3 Rotor	4700RPM	2300xg	Angle Rotor	7ml*12	For TXL-4.7

TDL-40B/TDL-5-A Low Speed
Centrifuge

TDL-40B has advantages of large capacity, low noise and steady performace, the temperature in centrifugal room only rises a little when it is running. It is controlled by microcomputer, can be operated simply and conveniently. It has the function of self-balance. It is safe and reliable because of being equipped with electronic lock.It can be used to separate plasma and suspender liquor in fields of biology, chemistry, medicine, foodstuff, environment Protection and so on.

Specification:

Timer Range	0~99 min/0~60min
Noise	<70dB
Power	220V 50Hz(110V optional)

Rotor:

Model	Max Speed	Max.RCF	Rotor Type	Capacity	
No.1 Rotor	4000RPM	2770xg	Swing Bucket Rotor	100ml*4	For TDL-40B
				50ml*8	
				15ml*16	
No.2 Rotor	5000RPM	5000xg	Swing Bucket Rotor	250ml*4	For TDL-5-A
				50ml*8	
				10ml*36	
No.3 Rotor	5000RPM	5000xg	Radioimmunoassay of Rotor	6ml*96	For TDL-5-A

TDL-4C, KA-1000C, 800C & TDL-80-2C
Low Speed desk-top centrifuge

The machine uses the frequency conversion brushless motor, low noise, easy operation, safe and reliable, can be widely used in biology, chemistry, medicaion and other areas of experimental and research work of blood, plasmaurine.

1.frequency conversion Motor, use international standard 15ml tube

2. advanced technology nanotechnology, low noise.

3. Use metal case, inner main parts use stainless steel, use Once shaping technique.

4. Unique duct design a comprehensive intelligent display, low temp rise.

5. Patented* Cutting-edge equipment:

* All computor control variable-frequency motor, with precise run speed.

* Self control electronic door lock.

* Elastic Open type hinged, the door can stay on any angle.

* Have damping device and automatic adjustment of motor imbalance.

Spec:

Timer Range	0min ~ 99min
Noise	<67 dB
Power	220v 50Hz (110V option)
Whole Power	180W
Speed Range	100-4000 RPM
Rotate Speed Precision	<20 rpm
Temperature Rise	<5 Deg.C
Dimensions	380mm*480mm*330mm(L*W*H)
Weight	25kg

Rotor

Model	Max Speed	Max.RCF	Capacity	
No.1 Rotor	4000RPM	1430xg	15ml*6	For 800C TDL-4C
No.2 Rotor	4000RPM	2220xg	15ml*18	For KA-1000C
No.3 Rotor	4000RPM	2325xg	15ml*12	For TDL-80-2C

KA-1000/TDL-80-2B Low Speed Centrifuge

The machine has the advantages of small cubage, low weight, large capacity, low noise and so on. The frame is made of high strengh plastic. It can be operated conveniently. It is an ideal instrument for hospital. labs to make qualitative analysis to serum, plasma, radio-immunity.

Specification:

Timer Range	0~30 Min
Noise	<70 dB
Power	220V 50Hz

Rotor

Model	Max Speed	Max.RCF	Rotor Type	Capacity	
No.1 Rotor	4000RPM	2325xg	Angle Rotor	20ml*12	For TDL-80-2B
No.2 Rotor	4000RPM	2220xg	Angle Rotor	15ml*8	For KA-1000
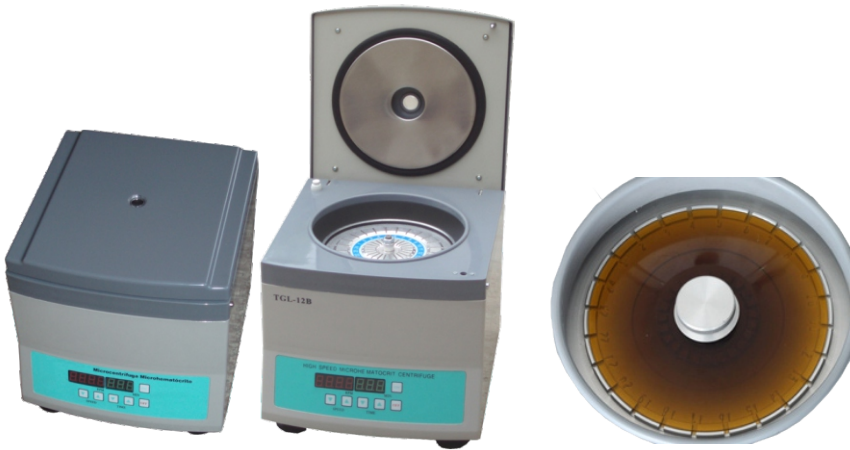
TGL-12B Haematocrit Centrifuge

TGL-12B Haematocrit Centrifuge is suitable for the work of determining blood cell specific volume exactly, it can be also used to separate minim blood and suspension.

Specification:

Max. Speed	12000rpm	Dimensions	230*285*265mm(l*w*h)
Capacity	24 Pieces Of Capillary	Weight	12Kg
Timer Range	0-30min	Power	220V 50Hz 250w (110V 60Hz Option)

1224 High Speed Microhematocrit centrifuge

Specification:

Model	1224-1 (Exp Model:SH120-1)	1224-2 (Brushless Motor) (Exp Model:SH120-2)
Main Power	220V ± 10% 50HZ (110V 60Hz Option)	
Max Speed	12000r/min	
Max. RCF	15300 x g	
Type Of Centrifuge Head	Horizontal rotor	
Power Input	230VA	400VA
Power Output	100W	350W
Capacity	24pcs capillary Ø1.5mm	24pcs capillary Ø3mm
Starting Time	<1min	
Braking Time	<2min	
Timer Range	0-10min	0-99min
Weight	11.5/12.5kg	
Dimension(W.D.H)	270*310*280mm	265*290*200mm
Regulation	step(11000r/min ,12000r/min)	stepless (Digital Display)

800 Series Electric Centrifuge

Features:

Electric centrifugal machine has features of artistic shape, large capacity, small volume and complete function. It has such advantages as stable performance, adjustable speed and automatic adjustment and balance, lower temperature, high use efficiency and extensive applicability.

This product applies into the qualitative analysis of blood serum, blood plasma and carbamide for medical product, blood station, and clinic test as well as biochemical lab.

800 Centrifuge	800D Type Electric Centrifugal	80-1 Type Electric Centrifugal	80-2 Type Centrifugal Sedimentator

Specification:

Type	Description	Rotation Speed	Capacity	Maximum Relative Displacement	Power Supply
800 & 800D	Electric Centrifugal Machine	0-4000rpm	15mlx6	1430xg	220V 50HZ (110V 60Hz option)
80-1	Electric Centrifugal Machine	0-4000rpm	20mlx6	1430xg	
80-2	Centrifugal Sedimentator	0-4000rpm	20mlx12	2325xg	

Remark: 800D with time function

TDL-4 Low Speed Centrifuge

TDL-4 Centrifuge is an improvement on 80-1. It is possessed of these special features following: It is beautiful in appearance. Large in capacity but small in bulk and has a complete function and a stable performance, you can chose the speed that you need at the setrange, and it can keep balance automaticly, in addition, it has a little rate of increase in temperature and can be used efficiently and widely. It is a dependable instrument for qualitative analysis of serum, plasma and immunity in hospitals or chemical and biochemical laboratories.

Specification:

Max. Speed	4000rpm	Dimensions	230*285*265mm(l*w*h)
Angle Rotor capacity	20ml*6	Weight	10Kg
		Power	220V 50Hz 65w
Max RCF	1430(xg)	Timer range	0-60min

80-2B Centrifuge

Outline of uses:

80-2B is an improvement on 80-1A. It is possessed of these special feature following: it is beautiful in appearance, large capacity but small in bulk and has a complete function and a stable performance, you can chose the speed that you need at the setrange, and it can keep balance automaticly, in addition, it has a little rate of increase in temperature and can be used efficiently and widely, It is a dependable instrument for qualitative analysis of serum, plasma and immunity in hospitals or chemical and biochemical laboratories.

Specification:

1. Power Supply: AC 220V 50Hz
2. Speed: 0 To 4000 rpm
3. Timer range: 0 To 60min
4. Max. RCF: 2325xg
5. Capacity: 12¦ 20ml
6. Motor power: 40 w
7. Weight: 9.5Kg

90-1 Centrifuge

Outline of uses:

90-1 is an improvement on 800. It is possessed of these special features following: It is beautiful in appearance. Large in capacity but small in bulk and has a complete function and a stable performance, you can chose the speed that you need at the setrange, and it can keep balance automaticly, in addition, it has a little rate of increase in temperature and can be used efficiently and widely. It is a dependable instrument for qualitative analysis of serum, plasma and immunity in hospitals or chemical and biochemical laboratories.

Model	Max Speed	Capacity	Max RCF	Timer Range	Outline Dimension	Net Weight
90-1	4000r/min	20ml*6	1795g	0~60min	280*240*260mm	7Kg

90-2 Centrifuge (Digital)

Outline of uses:

90-2 is an improvement on 80-2B. It is possessed of these special feature following: it is beautiful in appearance, large capacity but small in bulk and has a complete function and a stable performance, you can chose the speed that you need at the setrange, and it can keep balance automaticly, in addition, it has a little rate of increase in temperature and can be used efficiently and widely, It is a dependable instrument for qualitative analysis of serum, plasma and immunity in hospitals or chemical and biochemical laboratories.

Model	Max Speed	Capacity	Max RCF	Timer Range	Net Weight
90-2	4000r/min	20ml*12	2325g	0~60min	9Kg

80-2 Centrifuge

Outline of uses:

80-2 is an improvement on 80-1A. It is possessed of these special feature following: it is beautiful in appearance, large capacity but small in bulk and has a complete function and a stable performance, you can chose the speed that you need at the setrange, and it can keep balance automaticly, in addition, it has a little rate of increase in temperature and can be used efficiently and widely, It is a dependable instrument for qualitative analysis of serum, plasma and immunity in hospitals or chemical and biochemical laboratories.

Specification:

1. Power Supply: AC 220V 50Hz or AC 110V 50Hz

2. Speed: 0 ~ 4000 rpm

3. Timer range: 0 ~ 60min

4. Max. rxf: 1750xg

5. Capacity: 12×20ml

6. Motor power: 40 w

7. Weight: 9Kg

Mini-6K / Mini-7K Centrifuge

Specification:

Model	Mini-6K	Mini-7K
Power requirement	30W	
Max. rotational speed	6000 rpm	7000 rpm
Relative Centrifugal force (RCF)	2000 x g	2300 x g
Rotor	6*1.5ml/2.0ml angle Rotor, 2*8*0.2ml Rotor, Rotor for slide	6*1.5ml/2.0ml angle Rotor, 2*8*0.2ml Rotor
Dimensions (W*D*H)	130*142*102mm	

Option:
Allen Wrench
1.5/2.0ml Rotor
Strip Tube Rotor
Slide Rotor
Daptors 0.5~0.6ml Tubes
Daptors 0.2ml Tubes

Mini-P25 Mini-Plate Centrifuge

The compact and economical Mini-P25 Mini-Plate Centrifuge with two-position rotor, is available from pacific laboratory products. It will quickly spin down droplets and condensation and is for use before and after thermal cycling to improve PCR yield. It accepts skirted, non-skirted and all standard PCR plates making, it suitable for the molecular laboratory.

Features:

Mini-P25 Mini-Plate Centrifuge
1. Quickly Spin down droplets
2. Use before and after thermal cycling to increase PCR yield
3. Accepts skirted, non-skirted and all standard PCR plates
4. Less than 1/4 the size of most plate centrifuges
Spec:
1. Capacity: 2 PCR Plates
2. Rotor Speed: 2500rpm
3. G Force: 500 xg
4. Dimensions: 20(W)x23(D)x19.3(H) cm
5. Weight: 3kg
6. Power: 120V/230V

Mini-Centrifuge LX-200

Model: LX-200

Creative designs with multipurpose flexibility It is fully formed by super-strong interjection molding and equipped with multiple centrifuge rotors acceptable for 1.5ml,0.5ml,0.2ml centrifuge tubes and PCR-used 0.2ml 8 rows of centrifuge tubes,totally replacing imported products.The switch design of humanization(press the top,it will operate till the lid is opened),with fully transparent top and multiple rotors,represents completely the up-to-date principle of"serving scientific resear ch based on human".

Minl-Centrifng TM RPM 7000/RCF 2000g

Capacity 6*1.5ml 6*0.5ml 6*0.2ml 16*0.2ml

LX-100 Mini Centrifuge

Characteristic:

* It is specially designed by Molecular Biologist, It can be hold in palm to operate.

* It is used for the operation with normal low-speed, and it can reduce the usage frequency of high-speed centrifuge;

* It can be used as the special centrifuge for isotope and it can reduce the contaminated rate of high-speed centrifuge;

* The transparent arch cover can be easy to observe the operation;

* The press switch is very convenient to use, It will begin to run after close the cover, and when you open the cover, it will stop automatically;

* It is specially applicable for the low-speed centrifugal operation which collect the liquor around EPPENDORF TUBE to the bottom;

* Built-in temperature relay, It will turn off the power supply after long time operation to protect the usage life of motor;

Specification:

Rotor Capacity	1.5ml*6	Rotor:	1.5ml 1pc
	0.5ml*6		0.5ml tube 10pcs
	0.2ml*6		0.2ml tube 10pcs
Dimensions	300*335*275mm(l*w*h)	Weight	0.5KG
Power	220V 50Hz 30W (110V 60Hz Option)	Max. Speed	3000rpm

Mini-13K / Mini-14K Centrifuge

1. Extremely quiet operation
2. Easy-to-follow LCD display
3. Capacity: 12 x 1.5/2.0ml tubes
4. Separate short-spin key
5. Low sample heating (only 12°C after 30min, at max.speed)
6. Autoclavable rotor (121°C, 20min)
7. RMP/RCF setting as required
8. Includes standard rotor made of anodized aluminum
9. Timer can be set up to 99min
10.The small size of the unit makes it convenient for benchtop use or in a hood or in refrigerated environments

Specification:

Model	Mini-13K	Mini-14K
Power requirement	100W	105W
Max. rotational speed	13400 rpm	14,500 rpm
Relative Centrifugal force (RCF)	12100 x g	14000 x g
Timer	20 Sec ~ 99min	
Acceleration time to max. speed	40s	42s
Braking time from max. speed	52s	55s
Dimensions (W*D*H)	240*212*138mm	

Optional Blocks

Adaptors for 0.5~0.6ml Tubes

Adaptors for 0.2ml Tubes

TD2-24 ID Centrifuge

Features:

1. Simultaneous centrifuge of up to 24 Gel cards.
2. Removable and exchangeable spinning head.
3. Pre-defined cenrifugal parameters for optimum Gel cards processing: acceleration, speed, braking and time.
4. Digital interface visor control and visualization of centrifuge speed and time remaining for processing.
5. Programmable audible alarms for end of centrifugal time periods.

Specification:

1. Capacity: 24 Gel cards
2. Speed: Two stages (It can be vairable according to user need)
3. Max.speed: 1500rpm
4. Timer: 0~99min
5. Power: AC100-240V, 50/60Hz, 50W
6. Demensions: D*W*H=530*410*180 mm

Electronic Balance
        Mechanical Balance
Moisture Balance

FA & JA-B Series Electronic Analytical Balance

FA-B & JA-B Series Electronic Analytical Balance is the most advanced electronic balance. Accuracy, stability, multi-function and automation of performance satisfy the requirements of all quality analysis in laboratories. The balance employs high performance single-chip MCS-51 as the microprocessor control and is provided with standard signal output interface for directly connecting with printers, computers and other equipment.

Function:
* Taring
* Accumulating
* Fault alarm
* Hanging weight
* Auto-calibration
* Range transfer
* Adjustable sensitivity
* Units selection (g.carat.Oz)
* Counting
* Print
* RS232C, output interface

Charter:
* Full Transparency
* Wide measure range
* Outer Power Source
* With smart groud light controller, easy to read.
* Big word LCD display
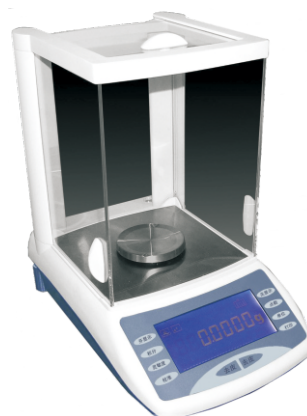
Model	FA1204B	FA2004B	FA2204B	FA3204B
Capacity (g)	0~120g	0~200g	0~220g	0~320g
Reading Accuracy	0.1mg			
Pan Diameter	Φ80mm			
Output Interface	RS232			
Overall Dimensions	350*210*346mm			
Power	AC 100~240V 50/60Hz			
Net Weight	7 Kg			

Model	JA2306B	JA5003B
Capacity (g)	0~260g	0~500g
Reading Accuracy	1mg(0.001g)	
Pan Diameter	Φ110mm	
Output Interface	RS 232	
Overall Dimensions	350*210*346mm	
Power	AC 100~240V 50/60Hz	
Net Weight	7 Kg	

Density Measurment accessories is available

YP-N Electronic Balance (AC/DC)

YP-N Electronic Balance is new advanced product consisting of a strain gauge transducer and a microcomputer. It adopts SMT surface technology and LCD display, with a high stability and multi-functions. It has an over-load and low voltage alarm system.

Function:
High sensitivity
Automatic calibration with automatic calibration program
Full rang tare
Units selection
Quick response
Automatic Zero track
Standard RS232 output interface
AC/DC(YP102N, 202N, 402N, 1201N, 2001N)

Model	YP102N	YP202N	YP402N	YP601N	YP1201N	YP502N	YP802N	YP1002N
Capacity(g)	100	200	400	600	1200	500	800	1000
Readability	10mg			100mg		10mg		
Pan size	Φ110mm			Φ130mm		130mm*130mm		
Outer dimensions	245mm*185mm*66mm					320mm*218mm*138mm		
Net Weight	0.9Kg					1.6Kg		
Power supply	220VAC or 110VAC /DC9V					220VAC or 110VAC		

Model	YP2001N	YP3001N	YP6001N	YP10KN	YP15KN	YP20KN
Capacity(g)	2000	3000	6000	10000	15000	20000
Readability	100mg		1g			
Pan size	160mm*170mm		280mm*250mm			
Outer dimensions(mm)	320mm*218mm*138mm		432mm*270mm*110mm			
Net Weight	1.9Kg		5.8Kg			
Power supply	220VAC or 110VAC /DC9V	220VAC or 110VAC				

Triple Beam Balance

The MB2610 and MB2610B are Single-pan balance of unequal arm type with 3 beams. The maximum capacity is 610 grams without extra attachment weights or 2610 with the supplied attachment weights. The readability is 0.1g and the knife is made of high quality alloy steel and the bearing plane is of agate, which can improve accuracy of use and lengthen life of operation.
The Mb2610B has a counter weight for tare of up to 225g.
This product is widely used for weighing in industrial enterprises (such as chemical, medical and machine-building enterprises), agricultural applications and schools.

Features:
1) Three beam direct reading.
2) Magnetic damping system Outer packing.

Specification:

Model	MB2610	MB2610B
Capacity	2610g	
Tare range	0~225g on MB2610B only	
Readability	0.1g	
Beam Calibration	Front Beam 10 * 0.1g	
	2" Beam 500 * 100g	
	3" Beam 100 * 10g	
Damping	Magnetic	
Pan Size	150mm (6") diameter Stainles steel	
Overall size (w*h*d)	470*160*150mm (18.5"*6.2"*6")	
Packing dimensions (L*W*H)	515*385*180 (4pcs)	
Gross weight	14KGS (4pcs)	

Double Beam Balance

This product is widely used for weighing in industrial enterprises (such as chemical,medical and machine-building enterprises), agricultural applications and schools.
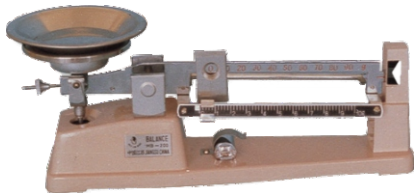
Model	MB200
Capacity	200g
Sensitivity	200mg
Main scale range	0-90g * 10g
Front scale range	0-10g * 0.2g
Pan diameter	89mm Stainless Steel
Packing dimensions	420*280*240mm (10pcs)
Gross weight	11KGS (10pcs)

Quadruple Beam Balance

This product is widely used for weighing in industrial enterprises (such as chemical,medical and machine-building enterprises), agricultural applications and schools.

Model	MB311
Capacity	311g
Readability	0.01g
Beam Calibration	Front Beam 1 * 0.01g
	2" Beam 10 * 1g
	3" Beam 100 * 10g
	4" Beam 200 * 100g
Damping	Magnetic
Pan Size	100mm (4") diameter Stainles steel
Density platform	75mm (3") diameter Adjustable height
Overall size (w*h*d)	370*300*137mm (14.5" * 11.8" * 5.4")
Packing dimensions (L*W*H)	720*450*380 (4pcs)
Gross weight	10KGS (4pcs)

DHS16-A Multi-function infrared Moisture Analyzer

DHS16-A multi-function infrared moisture analyzer is composed of electronic balance and heatingunit.It is not only adopting electricity magnetic balance and infrared heating technology with single-chip microprocessor to determine rapidly and precisely the moisture content of samples,but also has functions of weihging calibration,time and temperature setting,manual and automatic selected heating,display parameter adjusted,etc.. With the standard RS232 interface,it can be connection with printer and computer,so it can output 8 kunds of parameters and 4 kinds of output modes.The instrument is widely used in the field of pharmaceuticals,food-staff,tobaccos,grains,chemicals,etc.

Model	DHS16-A
Reading Accuracy	0.001g
Capacity	0-100g
Temperature Range	RT to 160℃
Temperature-control Accuracy	±1 C
Moisture Measuring Readability	0.01%
Moisture Measuring Repeatability	0.2%(sample≥2g)
Time Setting	0 ~ 120min
Analytical modes	Manual,Automatic
Control modes	Program Control
Display Parameter	8Kinds
Pan Diameter	φ90mm
Dimensions	325mm*195mm*195mm
Power supply	220V (50Hz) or 110V±110V(60Hz)
Net Weight	6kg

Photometer
Colorimeter
Viscometer
Polarimeter
Abbe Refractometer
Hand Held Refractometer
Melting Pointe Apparatus
Flame Photometer

WGG-60 Glossmeter

Characteristic: measure the light-reflecting capability of the sample surface, can be used in all lines of business using paints and coatings ,such as furniture, paint-spraying, home-appliances, as well as plastic products, packaging, etc

Measuring range : 0-120 glossiness unit
Minimum show value : 0.1 glossiness unit
Accuracy : ±2 glossiness unit
Quality (Net) : 2.3kg
Outer Size : 260mm*60mm*120mm

WGT-S Hazemeter

Characteristic: measure the transmittance and haze of the parallel planes sample (plastic board, sheet), the turbidity of liquid sample (water, drink); measure up to the standard of GB2410-80, ASTM D1003-61(2007), JISK7105-81; microcomputer control; easy operation; display transmittance and haze at the same time; has printer interface .

* Measuring range :

Transmittance : 0-100.0%

Haze : 0-30.0%

* Accuracy :

Transmittance : ≤1%

Haze: When ≤0.5% , accuracy ≤±0.1%.

When > 0.5%, accuracy ≤±0.3%
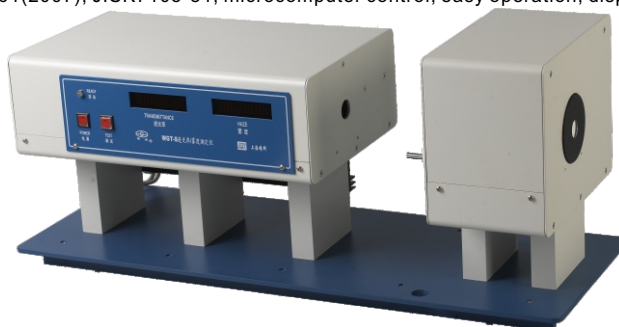
WGW Photoelectric Hazwmeter
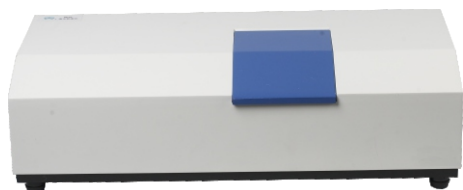
Characteristic: measure the optical characteristics of the parallel planes material and plastic membrane; a kind of necessary instrument of plastic and glass products; manual correct applicable for small and medium enterprises. measure up to the standard of ASTM D1003-61(2007), JISK7105-81

Range of Haze : 0-30%

Range of Transmittance : 0-100%

Display usage : LCD

Repeatability : Haze:0.2% , Transmittance:0.5%

Accuracy : Haze:±0.5% , Transmittance:±1.5%

WGZ-200 Ratio Turbidimeter

Characteristic: can be used to measure light scatter and decay of the insolubility suspended particulate, and quantitative analysis the contents of particulate.
Measuring range : 0.00 ~ 199NTU
Minimum readout : 0.01(0.00-1.99) , 0.1(2.0-19.9) , 1(20-199)
Quality : 8kg
Outer Size : 358mm*323mm*160mm
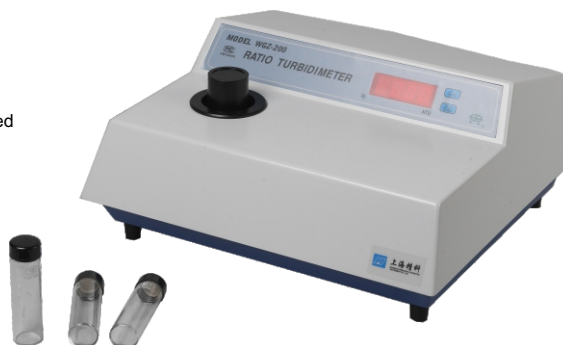
WQL Particle Size Analyzer

Characteristic:

* Measurement of Particle size and distribution based on the centrifugal settling of solid particle and light transmittance principle.

* Speed-Change measurement mode.

* The ratio of particle size range in one measurement is greater than 20:1

Specification:

* Disc Rotaion Speed: 600~10000RPM

* Stability: 0.2%/30min

* Measurement range: 0.01~60um

* Accuravy:5% (Based on the SiO2 Standard sample provided by Shanghai Test Technology Research Institute.)

WYL-2 Stress Analyze Meter
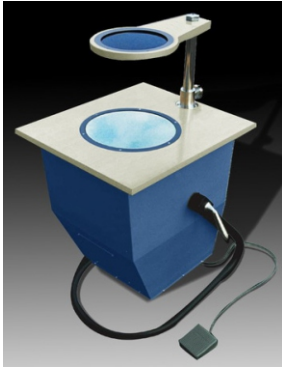
Characteristic:

* Quick and large amount for test by means of measuring double reflection generated by internal stress of transparent materials.

* Widely used in the fields of optical glasses, glass products and transparent plastic products.

Specification:

* Measurement range:≤560nm

* Optical-path-deffrence of retardation plae:560nm

* Table glass diameter: Ø150mm

* Table glass diameter: Ø220mm

* Overall Dimensions: 510mm*135mm*250mm

Photoelectric Colorimeter

Characteristic:

New AE-11M & AE-11D are designed for simple operation with durable function and permit speedy accurate measurement in routine analysis. The optical system consists of the lamp, Hear-absorption filter, Lens and Diaphragm. The light traversing in this system falls on the current generating photo-cell which actuates a direct reading micro-ammeter (of AE-11M) or LED display (of AE-11D).

Specification:

High Stability & Reproducibility:	Wavelength reproducibility +/- 5nm
Economy:	Consumes only 1.5ml of reagent
Detector:	Silicon photo-cell
Filter:	405,492,546,578,660nm; or 420,470,530,620,660(glass)
Wavelength Range:	420-660nm
Photoelectric Range	T%: 1-100%, ABS: log T O-2
Photoelectric Accuracy:	+/- 2T
Light Source:	6V 0.5A tungsten lamp
Indicator:	AE-11M 250µA Micro-ammeter, AE-11D three-digit display
Power Supply:	110V or 220V AC 10W
Dimenslon:	280*220*122mm, 360*360*200
Net Weight:	3Kg

WSL-2 Tintometer

Characteristic:

Visual measure color matching to determine material color, measure up to the well-know color scale of lovibond unit;

Simple structure;

Easy operation

Measuring range :

Red R0.1-R79.9 lovibond unit

Yellow R0.1-R79.9 lovibond unit

Blue B0.1-B49.9 lovibond unit

Neutral N0.1-N3.9 lovibond unit

Minimum readout : 0.1

Quality (Net) : 11kg

WQS Vibrator With Sieve

Characteristic:
* Particle analysis.
* Widely used in the field of pharmaceutical industry, food, cosmetics, grain.
* Advanced integrated circuit control
* Easy to operate
* The sieves is chosen by user (200,100,80,60,40 mesh sieve)

Specification:
* Vibration direction: Vertical vibration
* Measurement range:325 mesh
* Vibration Frequency: 3000times/min, 6000times/min
* Amplitude selection: 0-3mm, continuous adjustment
* Vibration mode: fine vibration; intermittent vibration; continuation vibration
* Weight (Net):25kg

WSB-L White Meter

Characteristic: measure the blue whiteness of the matter, such as papers, building materials, amylum, flour, sugar and salt; manual correct; applicable for small and medium enterprises.
Measuring range : 0-120
Illumination geometric conditions of the instrument : 45/0
Peak of wavelength : 457nm
Stability: ±0.2
Repeatability : 0.3
Accuracy : ±1.5%
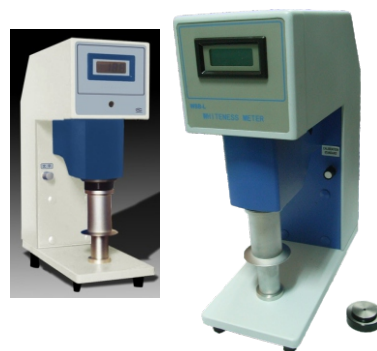
WSC-S Color Meter and Color Diffrence Meter

Characteristic: measure the reflected color of matter, such as board type, powdery, graininess; automatic measurement; LED display; has printer interface and RS232 connector.

Illumination geometric conditions of the instrument: o/d

Light source of the sample: Combination of CIE standard luminant D_{65} and 10° wide viewing field X_{10} , Y_{10} , Z_{10} .

Accuracy: $\Delta Y<3$, $\Delta x<0.02$, $\Delta y <0.02$

Repeatability: $\sigma_u(Y) \leq 0.5$, $\sigma_u(x) \leq 0.003$, $\sigma(y) \leq 0.003$

Stability: $\Delta Y \leq 0.6$

Quality (Net) : 17kg

Outer Size : 410mm*370mm*160mm

WGZ-2000 Turbidimeter

Model WGZ-2000 Turbimeter is an instrument used to measure the degree of scattering or attenuating of light produced by insoluble particles suspended in water (transparent liquid).

The instrument can also quantify the content of these insoluble particles. With its characteristics of having wider measurement range and being easy to operate, this instrument is suitable to be used in waterworks, food industry, chemical industry, power plants, metallurgical and environment protection and pharmaceutical industries, etc. It is an instrument commonly used in laboratories.

Specification
* Light source: Tungsten halogen lamp 6V, 12W
* Receiving element: Silicon photocell
"* Measurement ranges NTU: 0.00--19.99 20.0--199.9 200-2000 (automatic range switchover)"
* Readings display: 4 digits LED display
* Linearity error: 3% FS
* Allowable error of indication: ≤±5%
∗ Sample bottle: Φ25mm*95mm
* Sample Volume: 20~30ml
* G.W: 8 Kg
* Overal dimensions: 358*323*160mm
* Fuse: RF1-20 1A 250V

SNB-1/SNB-2/SNB-4 Viscometer

SNB-1 type digital viscometer is an intelligent liquid viscosity measuring instruments. In the computer program control, auto-completion of the liquid viscosity measurements, the results from the display output.
The instrument uses MCS-51 series of computer controlled stepper motor speed and the whole measurement process. This not only makes the instrument continuously adjustable speed can be realized, but also to improve its accuracy. Therefore, this instrument has the structure compact, stable, high measurement accuracy and anti-jamming performance is good. Can be used to measure the fluid viscous resistance and absolute viscosity. Widely used in determination of oil, paint, food, medicines, adhesives, cosmetics and other fluid viscosity.

Spec:

Model	SNB-1	SNB-2	SNB-4
Measurement Range	0.1~1.0*105 mPa.s	1~2.0*106 mPa.s	1~2.0*106 mPa.s
Rotor Speed (rpm)	6/12/30/60	0.3/0.6/1.5/3/6/12/30/60	0.3/0.6/1.5/3/6/12/30/60
Accuracy	±2% Newtonian Fluid		±5% Newtonian Fluid
Overall Dimensions	342mm*434mm*546mm		
Net Weight	9Kg		

SNB-1

SNB-4
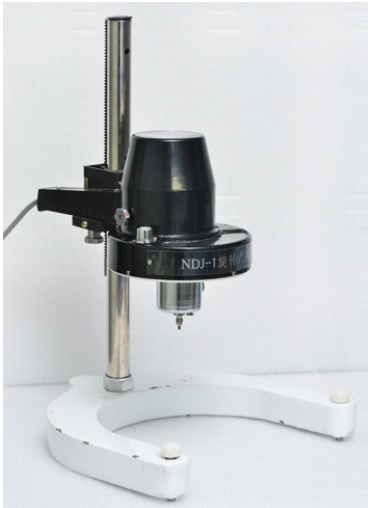
NDJ Rotational Viscometer

NDJ Series Rotational Viscometer is designed for the determination of viscosity and rheological behavior of fluid and semi-fluid. It can also be used to measure the dynamical viscosity and structural viscosity of mineral oil, lubrication oil, adhesives, paints, dyestuff and printing inks, etc.

Spec:

Model	NDJ-7	NDJ-5
Measurement Range	1~1.0*10 6 mPa.s	30s?t?100s
Rotor Speed (rpm)	7.7/75/750	
Accuracy	±5% Newtonian Fluid	
Overall Dimensions	185mm*165mm*450mm	155mm*98mm*335mm
Net Weight	12kg	8kg

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NDJ-7/NDJ-5 Rotational Viscometer

NDJ-7 Rotational Viscometer
NDJ-7 Rotational Viscometer is designed for measuring various kinds of absolute viscosity of Newtonian fluid and visible viscosity of various kinds of fluids such as grease, paints, printing inks, coating and osmetics etc.

NDJ-5 Cup Type Viscometer
The cup type portable viscometer is suitable used for the determination of the viscosity of paint under 30~100 seconds. The value of viscosity to be calculated according to the times needed that the fluids passing through the standard orifice after the measuring fluid fulfilled into a special measuring cup.

Model	NDJ-1	NDJ-4
Measurement Range	0.1~1.0*10 5 mPa.s	10~2.0*10 6 mPa.s
Rotor Speed (rpm)	6/12/30/60	0.3/0.6/1.5/3/6/12/30/60
Accuracy	±5% Newtonian Fluid	
Overall Dimensions	445mm*235mm*380mm	
Net Weight	8kg	

NDJ-5

NDJ-7/79

NDJ-1, NDJ-2 & NDJ-4CJ Viscometer

NDJ-1, NDJ-2 and NDJ-4CJ Rotation Viscometer can determine the viscosity resistance and dynamic viscosity of liquids in a wider range. Purpose and scope:
The instrument can determine the viscosity resistance and dynamic viscosity of liquids in a wider range. It is widely used to determine the viscosity of oil grease, paint, plastic, food, medicine, cement and other liquids.

NDJ-4CJ Spec:

1. Measurement range	$10 \sim 2 * 10^6$ mPa.s
2. Measurement error	5%(F.S)
3. Spindles	1, 2, 3, 4 spindles
4. Spindle speed	
L (Low speed)	0.3, 0.6, 1.5, and 3 RPM
H (High speed)	6, 12, 30 and 60 RPM
5. Power supply	AC 220V 10% 50Hz 10%
6. Size	300 300 450mm
7. Net weight	2kg (not including the holder)

NDJ-1CJ Spec:

Viscosity Range	$10 \sim 1 * 10^5$ mPa.s
Testing Rotor	4 types
Rotate Speed	6r/min, 12r/min, 30r/min, 60r/min
Testing Error	5%(Newton liquid)

* Optional parts: HWY-10 Multifunctional Constant Temperature Bath, O# spindle, Circulation Constant Temperature Cup.

NDJ-2CJ Spec:

Viscosity Range	$30 \sim 3 * 10^5$ mPa.s
Testing Rotor	4 types
Rotate Speed	6r/min, 12r/min, 30r/min, 60r/min
Testing Error	5%(Newton liquid)

Paint-4 (Cup Type) Viscometer XND-1

Summary:
The instrument is suitable to measure viscosity of paints under 150 s. The instrument is designed and made as per the National Standard GB/T1723 "Test Methods for Viscosity of Paints". It is a portable instrument. It is used to measure specific viscosity of paints. The specific viscosity of paint is expressed as the elapse time of sample flowing out from a standard effuse hole after you fill the sample to be determined to the specific container. The unit is second.

II. Main technical features:
1. The instrument is made of copper and it is about 100 ml. Its specification and the roughness of its inner wall can meet the stipulations of GB/T1723. Its bottom is a stainless steel effuse hole.
2. Correction coefficient K: Multiply the measured viscosity of the instrument with the correction coefficient K to get the specific viscosity of the instrument. The correction coefficient K should be in the range of 1±0.03, or you should replace the instrument. You should calibrate the instrument as per the operation frequency.
3. For standard liquid with known kinematic viscosity, the difference between the measured value and calculation value of flowing time should be within ±3% of the calculation value.

III. Principle and calculation:
The viscosity measured by the instrument is specific viscosity. The specific viscosity is expressed as the elapse time of a certain quantity of sample flowing out from an effuse hole of stipulated diameter under a specific temperature. It is indicated by second. You can use the following equations to convert the flowing time of sample (s) into kinematic viscosity (mm2/s).

t<23 s, t=0.154μ+11
23s≤t≤150 s, t=0.223μ+6.0
Where:
t= flowing time, s
U= kinematic viscosity, mm2/s

NDJ-5S Viscometer

NDJ-5S Rotation Viscometer is an improved product of our traditional Rotation Viscometer. Adopting advanced mechanical design.

I. Summary
The instrument adopts advanced mechanical design technologies, manufacturing techniques, and microprocessor controlling technologies, so it can correctly collect test data. The display used is a white background light, ultra-brighten LCD, so the test data can be shown clearly. The instrument has a special port for printer, so you can print out test data through a printer.

II. Main technical characteristics
1. The instrument adopts advanced mechanical design technologies, manufacturing techniques, and microprocessor controlling technologies, so it can correctly collect test data. It is sensitive, reliable, convenient, and beautiful.
2. The display used is a white background light, ultra-brighten LCD, so it can show the sample viscosity, spindle No., and speed directly. The test data can be shown clearly.
3. It can preset 8 grades of speed, so it can meet measurement requirements in the different viscosity ranges.
4. It has a special port for printer, so you can print out test data through a printer.

III. Main technical specification and parameters
1. Measurement range: 10~ 1*105mPa·s 2. Spindle: No.1~4 total 4 spindles; (0# spindle is optional);
3. Spindle speed: 0.3, 0.6, 1.5, 3, 6, 12, 30, 60 RPM total 8 grades;
4. Measurement error: ±1% (F.S);
5. Power supply: AC 220V±10%, 50Hz±10%;
6. Working environment:
(1) Temperature: 5°C~35°C;
(2) Relative humidity: not more than 80%;

 IV. Optional parts 1. HWY-10 Circulation Constant Temperature Bath
2. Special Double Layers Sample Cup
3. 0# spindle
4. Standard oil
5. Small sample adapter (If sample is 10~20ml at room temperature, you should buy it)

NDJ-8S Viscometer

1. Summary
  The instrument adopts advanced mechanical design technologies, manufacturing techniques, and microcomputer controlling techniques, so it can collect data accurately. It uses background light, ultra-brighten LCD, so it can show test data clearly. It has a special printing port, so it can print out test data through a printer.
  The instrument has characteristics of high measurement sensitivity, reliable measurement data, convenience, and good looking. It can be used to determine absolute viscosity of Newtonian liquids and apparent viscosity of Non-Newtonian liquids. It has been widely used to determine viscosity of oil greases, paints, plastic materials, pharmaceuticals, coating materials, adhesives, washing solvents, and other fluids.

2. Main technical specifications and parameters
1. Measurement range: 10 mPa·s~2000000 mPa·s
 2. Spindle: No.1~No.4, four spindles in total
 3. Rotation speed: 0.3 RPM, 0.6 RPM, 1.5 RPM, 3 RPM, 6 RPM, 12 RPM, 30 RPM, and 60 RPM, 8 grades in total
 4. Measuring accuracy: ±3% (F·S)
 5. Power supply: AC 220/110V±10%
 6. Ambient temperature: 5°C~35°C 7. Relative humidity: ≤80%

NDJ-79A/NDJ-79B Viscometer

1. Summary

This viscometer is the upgraded instrument of NDJ-79 rotational viscometer. It can be used to determine absolute viscosity of Newtonian liquids and apparent viscosity of Non-Newtonian liquids.

The instrument adopts advanced mechanical design technology and manufacturing process, using micro-computer technology to control speed,collect data and process data.Equipped with high-light LCD screen and micro-needle printer.The test data can show on the screen real time and also output by printer.In addition,the instrument can also connect with PC via RS232 communication port.

The instrument has the characteristics of high sensitivity, reliability, convenience and good looking.It can be widely used to determine the viscosity of liquids such as greases, oil paints, plastics, pharmaceutics, coatings, adhesives, detergents, and other fluids.   2. Main technical specifications and parameters 1. Measurement range: 1 mPa.s~1*106 mPa.s

2. Spindle: Unit II 1# 10# 100#
        Unit III 0.1, 0.2, 0.4, 0.5, seven in total (NDJ-79B doesn't have it) 3. Spindle speed: 7.5~750r/min stepless speed regulating

4. Measuring accuracy: ±2%(F.S)

5. Temperature control range : 0°C~100°C

6. Power supply: AC 220V/110V

7. Working environment:

(1) Ambient temperature: 5~35°C

(2) Relative humidity: ≤80%

NDJ-1B Rotation Viscometer

NDJ-1B Rotation Viscometer is an improved product of our traditional Rotation Viscometer. Adopting advanced mechanical design.

I. Summary

The instrument adopts advanced mechanical design technologies, manufacturing techniques, and microprocessor controlling technologies, so it can correctly collect test data. The display used is a white background light, ultra-brighten LCD, so the test data can be shown clearly. The instrument has a special port for printer, so you can print out test data through a printer.

II. Main technical characteristics

1. The instrument adopts advanced mechanical design technologies, manufacturing techniques, and microprocessor controlling technologies, so it can correctly collect test data. It is sensitive, reliable, convenient, and beautiful.
2. The display used is a white background light, ultra-brighten LCD, so it can show the sample viscosity, spindle No., and speed directly. The test data can be shown clearly.
3. It can preset 8 grades of speed, so it can meet measurement requirements in the different viscosity ranges.
4. It has a special port for printer, so you can print out test data through a printer.

III. Main technical specification and parameters
1. Measurement range: 10~2*106mPa·s (If choose 0# rotor, it is 1~2*106 mPa.S)
2. Spindle: No.1~4 total 4 spindles; (0# spindle is optional if Viscosity<10 mPa.S);
3. Spindle speed: 0.3, 0.6, 1.5, 3, 6, 12, 30, 60 RPM total 8 grades;
4. Measurement error: ±1% (F.S);
5. Power supply: AC 220V±10%, 50Hz±10%;
6. Working environment:
(1) Temperature: 5°C~35°C;
(2) Relative humidity: not more than 80%;

 IV. Optional parts 1. HWY-10 Circulation Constant Temperature Bath
2. Special Double Layers Sample Cup
3. 0# spindle
4. Standard oil
5. Small sample adapter (If sample is 10~20ml at room temperature, you should buy it)

SGW-3/SGW-2/SGW-1 Automatic Polarimeter

SGW Series Automatic Polarimeter use LED source light to avoid change the lamp frequently. The measure range of SGW-3 can reach ±89º (Optical rotation), SGW-3 & SGW-3 has Peltier principle to control the temperature. Intrument use big color touch LCD which can supply friendly interface.

Features:
1. Don't need preware while turning on
2. Measuring specific rotation, optical rotation, sugar degree and concentration.
3. Automatic repetition-measurement for 6 times, and calculation of average value and means square root.
4. Peltier principle to control the temperature (Only SGW-3 & SGW-2).
   sample chamber adopts constant temperature designing in order to decrease the temperature heating effect durning meansurement. (Only SGW-1).
5. Measurement of dark-colored samples.
6. USB connector (SGW-3) or USB & RS232 (SGW-2 & SGW-1)

SGW-1/SGW-2/ SGW-3 Automatic Polarimeter

Spec:

	SGW-3	SGW-2	SGW-1
Measure MODE	specific rotation, optical rotation, sugar degree and concentration.		
Light Source	LED+interference filter		
Operation Wavelength	589.3nm		
Measure Range	±89º(±257ºZ)	±45º(±120ºZ)	±45º(±120ºZ)
Minimum Indicating Value	0.001º(0.01ºZ)		
Accuracy	a) ±0.01º(-15º<Optical Rotation<+15º)		
	b) ±0.02º(Optical Rotation>+15º or <-15º)		
Repeataility	0.002º (Optical Rotation)		
Temperature Control Range	15~30 ºC	18~30 ºC	NO
Accuracy	±0.5 ºC	±0.5 ºC	NO
Display	Touch Screen (9cm*12cm, 320*240 Resolution)		
Test Tube	200mm, 100mm		
The lowest penetration rate for the measurable samples	1%		
Connector	USB	USB, RS232	USB, RS232
Data store and Readout by flash disk	160 groups	NO	NO
Optioanl Accessories	Micro Test Tube (50mm) (Optional)		

WZZ-2B Automatic Polarimeter

Characteristics:

* Photoelectric test and automatic servomechanism control.

* LCD display.

* Storage of three times results of Re-M (repetition-measurement) and calculation of average values

* RS232 interface.

Specifications:

Measurement range:	-45° ~ +45°
Minimum Reading:	0.005°
Accuracy:	±(0.01°+ Measurement value*0.05 %)
Repeatability (Max. Deviation):	≤0.01°
Minimum sample transmittance:	10%
Weight (Net):	28 kg

WZZ-2B Automatic Polarimeter

WZZ - 3 Automatic Polarimeter

Characteristics:

* Photoelectric test and microcomputer control.

* LCD display

* Measuring specific rotation, optical rotation and sugar degree

* Automatic repetition-measurement for 6 times, and calculation of average value and means square root.

* RS232 interface

Specifications:

Measurement range:	-45° ~ +45°, -120°Z ~ +120°Z (Sugar Degree)
Minimum Reading:	0.001°
Accuracy:	±(0.01°+ Measurement value*0.05 %)
	±(0.03°Z+ Measurement value*0.05 %)
Repeatability (Standard Deviation s):	≤ 0.003° , ± 0.03°Z
Minimum sample transmittance:	10%
Weight (Net)	28 kg
Overall dimensions:	600mm*310mm*212mm

WZZ-3 Automatic Polarimeter

WZZ-2S Automatic Polarimeter

Characteristics:

* Principle: digital polarimeter based on Optical Null Principle

* Modulator: Faraday magneto-optical modulator

* Light source: Sodium lamp plus filter, wavelength 589.44nm

* Sample tube: 100mm, 200mm

* Domestic advanced digital circuit and microcomputer control.

* LCD display

* Storage of three times results of Re-M (repetition-measurement) and calculation of average value.

* Measurement of dark-colored sample

* RS232 interface

Specifications:

Measurement range:	-45°~+45° (-120°Z~+120°Z)
Minimum Reading:	0.001°(0.01°Z)
Accuracy:	±(0.01°+ Measurement value * 0.05 %)
	±(0.03°Z+ Measurement value * 0.05 %)
Repeatability (Standard Deviation s):	Sample transmittance>1% ≤0.002° (0.002°Z)
Minimum sample transmittance:	1%
Weight (Net):	30 kg
Overall dimensions:	600mm*320mm*220mm

WZZ-2S Automatic Polarimeter

P810 Automatic Polarimeter

P Series Polarimeter with automatic photoelectric inspection technology and WINDOWS HMI system, boasts accurate and reliable measurement, convenient operation and so on. By detecting the optical rotation, the density, content and purity of substances etc. can be analyzed and determined. It's widely used in medicine, petroleum, food, chemicals, flavors, spices, sugar marking and other industries, as well as universities and research institutes.

Characteristics:
 * Large color touch screen display and innovative WINDOWS software interface give extremely convenient device operation and data acquisition.
 * High brightness LED lights with service life exceeding 100000 hours.
 * A variety of measurement modes are optional, without using complicated manual calculation.
 * Extremely large storage capacity can store up to 1000 groups of data information automatically.

Spec:

Measuring range	ë89.99ê
	±259°Z
Min.reading	0.001°(optical rotation)
Accuracy	±0.01° (-45o? optical rotation ? +45°)
	±0.02° (optical rotation<-45° or optical rotation>+45°)
Repeatability (standard deviation s)	0.002°(optical rotation)
Measurable sample min.transmittance	1%
Working wavelength	589.3nm (sodium D spectrum)
Interface	USB and RS232
Data storage capacity	1000 pieces
Display mode	5.6'' TFT touch screen
Power supply	220VAC±10% 50Hz
Power	250W
Net weight	24kg
Dimension	708mm*330mm*287mm
Sample chamber	Accepts sample tubes up to 200mm

P810A Automatic Polarimeter

P Series Polarimeter with automatic photoelectric inspection technology and WINDOWS HMI system, boasts accurate and reliable measurement, convenient operation and so on. By detecting the optical rotation, the density, content and purity of substances etc. can be analyzed and determined. It's widely used in medicine, petroleum, food, chemicals, flavors, spices, sugar marking and other industries, as well as universities and research institutes.

 Characteristics:
* P810A with automatic calibration function
* Large color touch screen display and innovative WINDOWS software interface give extremely convenient device operation and data acquisition
 * High brightness LED lights with service life exceeding 100000 hours
* A variety of measurement modes are optional, without using complicated manual calculation
* Extremely large storage capacity can store up to 1000 groups of data information automatically

Spec:

range	±89.99°
	±259°Z
Min.reading	0.001°(optical rotation)
Accuracy	±0.01° (-45°≤ optical rotation ≤ +45°)
	±0.02° (optical rotation < -45° or optical rotation > +45°)
Repeatability (standard deviation s)	0.002°(optical rotation)
Measurable sample min.transmittance	1%
Working wavelength	589.3nm (sodium D spectrum)
Interface	USB and RS232
Data storage capacity	1000 pieces
Display mode	5.6'' TFT touch screen
Power supply	220VAC±10% 50Hz
Power	250W
Net weight	24kg
Calibration mode	automatic calibration
Dimension	708mm*330mm*287mm
Sample chamber	Accepts sample tubes up to 200mm

P850 Automatic Polarimeter

P850 includes built-in Peltier precise temperature control system.
P Series Polarimeter with automatic photoelectric inspection technology and WINDOWS HMI system, boasts accurate and reliable measurement, convenient operation and so on. By detecting the optical rotation, the density, content and purity of substances etc. can be analyzed and determined. It's widely used in medicine, petroleum, food, chemicals, flavors, spices, sugar marking, other industries and universities and research institutes.

Characteristics:
* P850 Automatic photoelectric inspection technique and built-in Peltier precise temperature control system ensure measurement accuracy and stability;
* Large color touch screen display and innovative WINDOWS software interface give extremely convenient device operation and data acquisition;
* High brightness LED lights with service life exceeding 100000 hours;
* A variety of measurement modes are optional, without using complicated manual calculation;
* Extremely large storage capacity can store up to 1000 groups of data information automatically.

Spec:

range	±89.99°
	±259°Z
Min.reading	0.001°(optical rotation)
Accuracy	±0.01° (-45°≤ optical rotation ≤ +45°)
	±0.02°(optical rotation<-45° or optical rotation>+45°)
Repeatability (standard deviation s)	0.002°(optical rotation)
Measurable sample min.transmittance	1%
Working wavelength	589.3nm (sodium D spectrum)
Temperature control mode	built-in semiconductor
Temperature control range	15°C--30°C
Temperature control accuracy	±0.3°C
Temperature resolution	0.1°C
Interface	USB and RS232
Data storage capacity	1000 pieces
Display mode	5.6'' TFT touch screen
Power supply	220VAC±10% 50Hz
Sample Chamber	Accepts sample tubes up to 200mm
Power	250W
Net weight	26kg
Dimension	708mm*330mm*287mm

P850A Automatic Polarimeter

P850A includes built-in Peltier precise temperature control system. P Series Polarimeter with automatic photoelectric inspection technology and WINDOWS HMI system, boasts accurate and reliable measurement, convenient operation and so on. By detecting the optical rotation, the density, content and purity of substances etc. can be analyzed and determined. It's widely used in medicine, petroleum, food, chemicals, flavors, spices, sugar marking, other industries and universities and research institutes.

Characteristics:
* P810 Automatic photoelectric inspection technique
* Large color touch screen display and innovative WINDOWS software interface give extremely convenient device operation and data acquisition.
* High brightness LED lights with service life exceeding 100000 hours.
* A variety of measurement modes are optional, without using complicated manual calculation.
* Extremely large storage capacity can store up to 1000 groups of data information automatically.

Spec:

Measuring range	±89.99°
	±259°Z
Min.reading	0.001°(optical rotation)
Accuracy	±0.01° (-45°≤optical rotation≤+45°)
	±0.02°(optical rotation<-45° or optical rotation>+45°)
Repeatability (standard deviation s)	0.002°(optical rotation)
Measurable sample min.transmittance	1%
Working wavelength	589.3nm (sodium D spectrum)
Temperature control mode	built-in semiconductor
Temperature control range	15°C~30°C
Temperature control accuracy	±0.3°C
Temperature resolution	0.1°C
Interface	USB and RS232
Data storage capacity	1000 pieces
Display mode	5.6'' TFT touch screen
Power supply	220VAC±10% 50Hz
Sample Chamber	Accepts sample tubes up to 200mm
Power	250W
Net weight	24kg
Calibration mode	automatic calibration
Dimension	708mm*330mm*287mm

WXG-4 Disc Polarimeter

Characteristics:

* Visual aim

* Manual measure

* Easy to operate.

Specifications:

Measurement range:	-180°~ +180°
Minimum Reading:	0.05°
Accuracy:	±0.05°
Sensitivity:	0.05°
Weight (Net):	7.6kg
Overall Dimensions:	510mm*135mm*250mm

WXG-4

WYA(2WAJ) WYA-2W ABBE Refractometer

Characteristic:

*Measurement of refractive index nD, average dispersion nF-nC of transparent or translucent liquid and solid substances.

*Measurement of mass fraction (Brix) of cane sugar solution.

*Widely used in the field of sugar, pharmaceutical, beverage, petroleum, food, chemical industries as well as research institutes and educational department.

*Visual aim, optical index-plate reading.

* Easy and reliability.

WYA-2W ABBE Refractometer

WYA(2WAJ) ABBE Refractometer

Specifications:

Refractive index nD:	1.3000-1.7000
Accuracy:	¤0.0002(WYA)
	¤0.0003(WYA-2W)
Dissolved Solids Brix:	0-95%
Weight (net):	2.6kg(WYA)
	8.1kg(WYA-2W)
Overall dimensions:	200mm*100mm*240mm(WYA)
	219mm*175mm*344mm(WYA-2W)

WYA-2S ABBE Digital Refractometer

Characteristic:

* Measurement of refractive index nD of transparent or translucent liquid and solid substances.

* Measurement of the Brix of sugar solution.

* Visual aim and LCD display

* Automatic correction of the effect of temperature on the Brix.

* Prism made of hard glass, uneasy to be worn.

* Printer interface for direct data print-out.

Specifications:

Measurement range:	Refractive index nD: 1.3000-1.7000
	Dissolved Solids Brix: 0-95%
Accuracy:	Refractive index nD: ¤0.0002
	Dissolved Solids Brix: ¤0.1%
Temperature Range (Min. 0.1£C) :	0-50°C
Weight (net):	10kg
Overall dimensions:	330mm*180mm*380mm
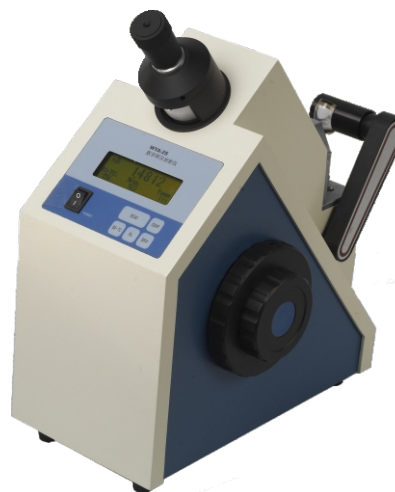
WYA-2S ABBE Digital Refractometer

WYA-Z/ZT Automatic ABBE Refractometer

Characteristic:

* Full automatic measuring, avoid personal error.

* Operating on the big screen of LCD directly.

* The material of instrument connection is hard glass, wear resistant.

* Have the function of temperature display, automatic correction (Brix-T C) function.

* Data storage function.

* Can connect PC with RS232 interface.

* Thermostatical control, temperature automatic correction and saveing the data (WYA-ZT)

Specification:

Refractive index nD:	1.3000-1.7000
Brix (BX-TC)	0-95%
Brix (BX)	0-95%
Measuring accuracy	
Refractive index nD:	±0.0002
Dissolved solids Brix:	±0.1%
Measuring resolution	
Refractive index nD:	±0.0001
Temperature Dispaly Range	0~50°C
Temrmostatical control range	Room Temperature±10°C (WYA-ZT)
Weight:	2kg
Outer size	329mm*214mm*150mm

WYA-Z/ZT Automatic ABBE Refractometer

WYV V-Prism Refractometer

Characteristics:

* Measurement of refractive index, average or partial dispersion of transparent or semi-translucent liquid and solid substances.

* An instrument essential for manufacturers of optical instrument and scientific research institutes and schools of higher learning.

* Visual aim, quick measurement, high precision and easy to operate.

Specifications:

Measurement range:	Refractive index nD for solid substances: 1.30-1.95
	Refractive index nD for liquid substances: 1.30-1.70
Accuracy:	Refractive index nD: $\pm 5.0 \times 10^{-5}$
Wavelengths	706.5nm, 656.3nm, 589.3nm, 587.6nm, 546.1nm, 486.1nm, 435.8nm, 404.7nm
Weight (net):	11kg
Overall dimensions:	330mm*180mm*380mm

A610 Refractometer

A610 Automatic Refractometer includes high-performance CCD light-sensitive part, can accurately and efficiently complete sample analysis tests through exclusive signal acquisition, analysis and processing technology. A610 can automatically measure the refractive index (nD) of transparent or translucent liquids and mass fraction (Brix) of sugar solution, is accurate, reliable, quick, easy for operation, and so on.

Characteristics:
* High-resolution CCD detector offers automatic measurement, avoiding personal errors, having higher accuracy;
* Measuring prism is made of high hardness sapphire glass, of excellent properties against corrosion and scratches, free for clean and durable;
* High brightness LED lights with long service life;
* Extremely large storage capacity can store up to 1000 groups of data information automatically;
* Exclusive signal acquisition, analysis and processing technology ensures accurate measurement results;
* Large color touch screen display and innovative WINDOWS software interface give extremely convenient device operation and data acquisition;
* External USB and RS232 ports can be directly connected to PC, USB disk and SD card interfaces are easy for data export and backup.

Spec:

Refractive index measuring range (nD)	1.3000-1.7000
Measured value error (nD)	±0.0002
Measurement resolution (nD)	0.0001
Scope of sugar solution mass fraction (Brix)	0-95%
Measured value error (Brix)	±0.1%
Measurement resolution (Brix)	0.10%
Scope of temperature display	0-50°C
Interface	RS232/USB/SD card/U disk
Data storage capacity	1000 pieces
Display modes	5.6 inches, TFT touch screen
Power supply	220VAC±10%, 50Hz
Power	50W
Net weight	10kg
Dimensions	455mm*312mm*200mm

A620 Refractometer

A620 Automatic Refractometer includes high-performance CCD light-sensitive part, can accurately and efficiently complete sample analysis tests through exclusive signal acquisition, analysis and processing technology. A620 can automatically measure the refractive index (nD) of transparent or translucent liquids and mass fraction (Brix) of sugar solution, is accurate, reliable, quick, easy for operation, and so on.

Characteristics:
* High-resolution CCD detector offers automatic measurement, avoiding personal errors, having higher accuracy
* Measuring prism is made of high hardness sapphire glass, of excellent properties against corrosion and scratches, free for clean and durable
* High brightness LED lights with long service life
* Extremely large storage capacity can store up to 1000 groups of data information automatically
* Exclusive signal acquisition, analysis and processing technology ensures accurate measurement results
* Large color touch screen display and innovative WINDOWS software interface give extremely convenient device operation and data acquisition
* External USB and RS232 ports can be directly connected to PC, USB disk and SD card interfaces are easy for data export and backup

Spec:

Refractive index measuring range (nD)	1.3000-1.7000
Measured value error (nD)	±0.0002
Measurement resolution (nD)	0.0001
Scope of sugar solution mass fraction (Brix)	0-95%
Measured value error (Brix)	±0.1%
Measurement resolution (Brix)	0.10%
Temperature control mode	flow cell
Scope of temperature display	0-50°C
Interface	RS232/USB/SD card/U disk
Data storage capacity	1000 pieces
Display modes	5.6 inches, TFT touch screen
Power supply	220VAC±10%, 50Hz
Power	50W
Net weight	10kg
Dimensions	455mm*312mm*200mm

A650 Refractometer

A650 Automatic Refractometer includes high-performance CCD light-sensitive part, can accurately and efficiently complete sample analysis tests through exclusive signal acquisition, analysis and processing technology. A650 can automatically measure the refractive index (nD) of transparent or translucent liquids and mass fraction (Brix) of sugar solution, is accurate, reliable, quick, easy for operation, and so on.

Characteristics:
* High-resolution CCD detector offers automatic measurement, avoiding personal errors, having higher accuracy;
* Peltier accurate temperature control system is built in A650
* Measuring prism is made of high hardness sapphire glass, of excellent properties against corrosion and scratches, free for clean and durable;
* High brightness LED lights with long service life;
* Extremely large storage capacity can store up to 1000 groups of data information automatically;
* Exclusive signal acquisition, analysis and processing technology ensures accurate measurement results;
* Large color touch screen display and innovative WINDOWS software interface give extremely convenient device operation and data acquisition;
* External USB and RS232 ports can be directly connected to PC, USB disk and SD card interfaces are easy for data export and backup.

Spec:

Refractive index measuring range (nD)	1.3000-1.7000
Measured value error (nD)	±0.0002
Measurement resolution (nD)	0.0001
Scope of sugar solution mass fraction (Brix)	0-95%
Measured value error (Brix)	±0.1%
Measurement resolution (Brix)	0.10%
Temperature control mode	Buit-in semiconductor
Scope of temperature display	0-50°C
Temperature control range	15-30°C
Temperature control accuracy	0.1°C
Interface	RS232/USB/SD card/U disk
Data storage capacity	1000 pieces
Display modes	5.6 inches, TFT touch screen
Power supply	220VAC±10%, 50Hz
Power	100W
Net weight	12kg
Dimensions	455mm*312mm*200mm

Digital Refractometers

Characteristics:
1) Temperature measurement range: 0ºC ~40ºC (32ºF~104ºF).
2) Precision of meansurement temperature: 0.5ºC(ºF).
3) Dimension: 135*65*40mm.
4) Net Weight: 200g.
5) Power Supply: 2xAAA(1.5V).
6) Wide choice-over 20 models available.
7) Automatic temperature compensation.
8) Automatic power managment.

Model	Scale	Range	Division	Accuracy
HZB-35	Brix (%)	0~35%	0.1	±0.2
	Refractly Index	1.3330~1.3900	0.0001	±0.0003
HZB-45	Brix (%)	0~45%	0.1	±0.2
	Refractly Index	1.3330~1.4098	0.0001	±0.0003
HZB-65	Brix (%)	28~65%	0.1	±0.2
	Refractly Index	1.3770~1.4535	0.0001	±0.0003
HZB-92	Brix (%)	58~92%	0.1	±0.2
	Refractly Index	1.4370~1.5233	0.0001	±0.0003
HZB-HN1	Brix (%)	58~92%	0.1	±0.2
	ºB'e	38~43	0.1	±0.1
	Water (IHC2002)	13~25	0.1	±0.1
	Refractiv Index	1.4370~1.5233	0.0001	±0.0003
HZB-HN2	Brix (%)	58~92%	0.1	±0.2
	ºB'e	38~43	0.1	±0.1
	Water (IHC2002)	17~27	0.1	±0.1
	Refractiv Index	1.4370~1.5233	0.0001	±0.0003
HZB A1	Salinity	0~28%	0.1	±0.2
	Refractly Index	1.3330~1.3900	0.0001	±0.0003
HZB S1	Brix (%)	0~35%	0.1	±0.2
	Salinity	0~28%	0.1	±0.2
	Refractly Index	1.3330~1.3900	0.0001	±0.0003
HZB-WN1	Mass S/W (%)	0~35%	0.1	±0.2
	VOL AP (%)	0~22%	0.1	±0.1
	Oe(Germany)	0~150	1	±1
	KMW	0~25	0.1	±0.1
HZB-WN2	Mass S/W (%)	0~35%	0.1	±0.2
	VOL AP (%)	0~22%	0.1	±0.1
	Oe(Germany)	30~150	1	±1
	KMW	0~25	0.1	±0.1
HZB-WN3	Mass S/W (%)	0~35%	0.1	±0.2
	VOL AP (%)	0~22%	0.1	±0.1
	Oe(Switzerland)	0~150	1	±1
	KMW	0~25	0.1	±0.1
HZB-R1	Serum P.(g/dl)	1.000~1.050	0.0001	±0.001
	Urine SP.G.	0~12g/dl	0.1	±0.1
	Refractly Index	1.3330~1.3900	0.0001	±0.0003
HZB-R2	Serum P.(g/dl)	0~14g/dl	0.1	±0.1
	Urine SP.G.(Dog)	1.000~1.060	0.001	±0.001
	Refractly Index	1.3330~1.3900	0.0001	±0.0003
HZB-R3	Serum P.(g/dl)	0~14g/dl	0.1	±0.1
	Urine SP.G.(Cat)	1.000~1.060	0.1	±0.001
	Refractly Index	1.3330~1.3900	0.1	±0.0003
HZB L1	Alcohol	0~60% v/v	0.1	±0.3
HZB L2	Alcohol	0~60% w/w	0.1	±0.3
HZB K1	Soybean Milk Concentration	0~35%	0.1	±0.3
HZB C1	Glycol	32~-50ºF	0.1ºF	±1ºF
	Propanediol	32~-50ºF	0.1ºF	±1ºF
	Battery Fluid	1.00~1.50sg	0.01sg	±0.01sg
	Clearance	0~-40ºF	0.1ºF	±1ºF
HZB C2	Glycol	0~-50ºC	0.1ºC	±1ºC
	Propanediol	0~-50ºC	0.1ºC	±1ºC
	Battery Fluid	1.00~1.50sg	0.01sg	±0.01sg
	Clearance	0~-40ºC	0.1ºC	±1ºC
HZB C3	Glycol	0~80%	0.10%	±0.3%
	Propanediol	0~70%	0.10%	±0.3%

BRIX Refractometers
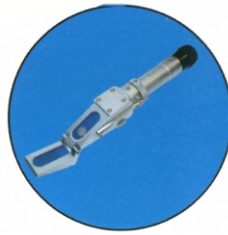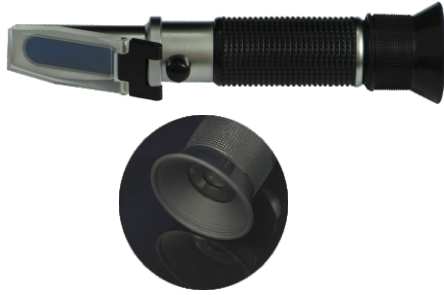
(VBR90S)REF107   (VBR80S)REF108

The model are very commonly used for low, middle and high resolution Brix concentration. The low range can be used for high-precision measurement such as fruit juice, tomato juice, cola, and most kinds of beverage. The middle range can be used for concentrated of industry fluids. The high range is suited for use with food products of high sugar content such as liquid sugar, honey, etc.

The model also can be used for industry fluid testing , such as vegetable oils, and many other chemical liquids or laboratory use fluids. It provides a fast and accurate way to test the ratio and concentration in water soluble cutting oil and many other industrial fluid.

	Model	Range	Min DIV
Brix	VBR10(REF101)	0~10%	0.10%
	VBR18(REF102)	0~18%	0.10%
	VBR20	0~20%	0.10%
	VBR32(REF103)	0~32%	0.20%
	VBR50	0~50%	0.50%
	VBR62(REF104)	28~62%	0.20%
	VBR82(REF105)	45~82%	0.50%
	VBR92(REF106)	58~92%	0.20%
	VBR80S(REF108)	0~50%	0.50%
		50~80%	
	VBR80	0~80%(1 Ranges)	0.50%
	VBR90A	0~90%(1 Ranges)	0.50%
	VBR90S(REF107)	0~42%	0.20%
		42~71%	
		71~90%	

	Model	Range	Min DIV
Brix	VBR10T(REF111)	0~10%	0.10%
	VBR18T(REF112)	0~18%	0.10%
	VBR20T	0~20%	0.10%
	VBR32T(REF113)	0~32%	0.20%
	VBR50T	0~50%	0.50%
	VBR62T(REF114)	28~62%	0.20%
	VBR82T(REF115)	45~82%	0.50%
	VBR92T(REF116)	58~92%	0.20%

Battery/Coolant/Clearance

The model can be used for measuring the freezing point. They can tell you whether the antifreeze contains the right amount of either ethylene glycol or propylene glycol antifreeze solution, it can also be used for checking the strength of electrolyte solution batteries, and testing the cleaner

	Model	Range	Min DIV
Battery /Coolant /Clearance	VBC1 (REF401)	E: -60°F~32°F	10°F
		P: -50°F~32°F	10°F
		B: 1.15~1.30SG	0.01SG
	VBC2 (REF402)	E: -50°C~0°C	5°C
		P: -50°C~0°C	5°C
		B: 1.15~1.30SG	0.01SG
	VBC3 (REF403)	E: -50°C~0°C	10°C
		P: -50°C~0°C	10°C
		C: -40°C~0°C	5°C
		B: 1.15~1.30SG	0.01SG
	VBC4 (REF404)	E: -50°C~0°C G11/12	5°C
		P: -50°C~0°C G13	5°C
		C: -40°C~0°C SRFI	10°C
		B: 1.10~1.40kg/l	0.01kg/l
	VBC5	E: -60°C~0°C	10°C
		P: -50°C~0°C	5°C
		B: 1.100~1.400SG	0.01SG
	VBC6	E: -84°F~32°F	10°F
		P: -60°F~32°F	10°F
		B: 1.100~1.400SG	0.01SG
	VBC7	E: -70°C~0°C	5°C
		P: -60°C~0°C	5°C
		B: 1.10~1.40SG	0.01SG

	Model	Range	Min DIV
Battery /Coolant /Clearance	VBC1T (REF411)	E: -60°F~32°F	10°F
		P: -50°F~32°F	10°F
		B: 1.15~1.30SG	0.01SG
	VBC2T (REF412)	E: -50°C~0°C	5°C
		P: -50°C~0°C	5°C
		B: 1.15~1.30SG	0.01SG
	VBC3T (REF413)	E: -50°C~0°C	10°C
		P: -50°C~0°C	10°C
		C: -40°C~0°C	5°C
		B: 1.15~1.30SG	0.01SG
	VBC4T (REF414)	E: -50°C~0°C G11/12	5°C
		P: -50°C~0°C G13	5°C
		C: -40°C~0°C SRFI	10°C
		B: 1.10~1.40kg/l	0.01kg/l
	VBC5T	E: -60°C~0°C	10°C
		P: -50°C~0°C	5°C
		B: 1.100~1.400SG	0.01SG
	VBC6T	E: -84°F~32°F	10°F
		P: -60°F~32°F	10°F
		B: 1.100~1.400SG	0.01SG
	VBC7T	E: -70°C~0°C	5°C
		P: -60°C~0°C	5°C
		B: 1.10~1.40SG	0.01SG

HONEY Refractometers

The honey refractometers are designed for quick determination of the concentration of aqueous solutions and emulsions. It is especially suitable for checking water content in honey. Several drops of honey or other liquid to be measured are sufficient for determination of concentration.

	Model	Range	Min DIV		Model	Range	Min DIV
Honey	VHN1(REF106c)	13~25% Honey Moisture	0.10%	Honey	VHN1T(REF116c)	13~25% Honey Moisture	0.10%
	VHN2(REF106)	58~90% Brix	0.5% Brix		VHN2T(REF116)	58~90% Brix	0.5% Brix
		38~43° Be'	0.5^o Be'			38~43° Be'	0.5^o Be'
		17~27% water	1% Water			17~27% water	1% Water
	VHN3(REF106b)	58~92% Brix	0.5% Brix		VHN3T	58~92% Brix	0.5% Brix
		38~43° Be'	0.5^o Be'			38~43° Be'	0.5^o Be'
		12~27% water	1% Water			12~27% water	1% Water
	VHN4	58~92% Brix	0.2% Brix		VHN4T	58~92% Brix	0.2% Brix
		12~27% water	0.2% Water			12~27% water	0.2% Water

SALINITY Refractometers

The salinity refractometer is designed for quick determination of the concentration of salinity in solutions. It is used for checking saltwater concentration, for in rinsing sea products, or in food industries. The VSA10 has a high accuracy which can also quickly measure the specific gravity

	Model	Range	Min DIV		Model	Range	Min DIV
Salinity	VSA10(REF201)	0~100‰	1‰	Salinity	VSA10T(REF211)	0~100‰	1‰
		1.000~1.070	0.005			1.000~1.070	0.005
	VSA28(REF202)	0~28%	0.20%		VSA28T(REF212)	0~28%	0.20%
	VBS1	0~100‰	1‰		VBS1T	0~100‰	1‰
		1.000~1.070	0.005			1.000~1.070	0.005
		0~10%	0.20%			0~10%	0.20%
	VBS2	0~28%	0.20%		VBS2T	0~28%	0.20%
		0~32%	0.20%			0~32%	0.20%

REFRACTIVE INDEX Refractometers

The refractometers are specially designed for directly measure the refractive index, also can test unknown solutions.

	Model	Range	Min DIV
Refractive Index	VND1(REF107b)	1.3300~1.5200nD	0.001ND
	VND2	1.3300~1.3800nD	0.001ND
	VND4(REF106b)	1.4680~1.5200nD	0.001ND

VND1

BRAKE-CHECK Refractometers

The model developed for brake oil check which can be used for testing the moisture in the oil and boiling point.

		Range	Min DIV
Brake-Check	VBK1	1~6% Standard	1%
		250°F~500°F Boiling Point	1%
	VBK2	1~6% Standard	1%
		125°F~275°F Boiling Point	1%

Wine Refractometers

The model is made for grape must testing which can measure the sugar content in original grape juice and alcohol degree of grape wine made by original grape. The wine usage models are designed for measuring Oe(Oechsle), KMW(Babo) or Baume in original fruit juice.

Model		Range	Min DIV
Wine	VWN1(REF701)	0~140°Oe	1°Oe
		0~25KMW(Babo)	0.2KMW(Babo)
		0~32% Mas Sacch	0.2%Mas Sacch
	VWN2(REF702)	0~170°Oe	2°Oe
	VWN3(REF703)	30~140°Oe	1°Oe
		0~32% Brix	0.2% Brix
	VWN4(REF704)	0~140°Oe	1°Oe
		0~32% Brix	0.2% Brix
	VWN5(REF705)	0~190°Oe	2°Oe
		0~38KMW(Babo)	0.4% KMW
		0~44% Brix	0.5% Brix
	VWN6	30~140°Oe	1°Oe
		0~25KMW(Babo)	0.2KMW

Model		Range	Min DIV
Wine	VWN1T(REF711)	0~140°Oe	1°Oe
		0~25KMW(Babo)	0.2KMW(Babo)
		0~32% Mas Sacch	0.2%Mas Sacch
	VWN2T(REF712)	0~170°Oe	2°Oe
	VWN3T(REF713)	30~140°Oe	1°Oe
		0~32% Brix	0.2% Brix
	VWN4T(REF714)	0~140°Oe	1°Oe
		0~32% Brix	0.2% Brix
	VWN5T	0~190°Oe	2°Oe
		0~38KMW(Babo)	0.4% KMW
		0~44% Brix	0.5% Brix
	VWN6T	30~140°Oe	1°Oe
		0~25KMW(Babo)	0.2KMW

ALCOHOL Refractometers

The model is made for real alcohol and grape must concentration which can be used by winegrowers, wineries for grape must. They can tell you alcohol concentration in Chinese wine, stimulant and inebriant. They are designed for T.A (Titre Alcometrique) alcoholic strength which can measure the sugar content in original grape juice and the alcohol degrees of grape wine made by original grape.

Model		Range	Min DIV
Alcohol	VAL1	0~50 V/V	1%
		50~80% V/V	2.50%
	VAL2(REF501)	0~50 W/W	1%
		50~80% W/W	2.50%
	VAL3(REF502)	0~25%VOL	0.20%
	VAL4(REF503)	0~25%VOL	0.2%VOL
		0~40%Brix	0.2%Brix
	VAL5(REF504)	0~25%VOL	0.2%VOL
		0~20 Baume	0.2 Baume

Model		Range	Min DIV
Alcohol	VAL3T(REF512)	0~25%VOL	0.20%
	VAL4T(REF513)	0~25%VOL	0.2%VOL
		0~40%Brix	0.2%Brix
	VAL5T(REF514)	0~25%VOL	0.2%VOL
		0~20 Baume	0.2 Baume
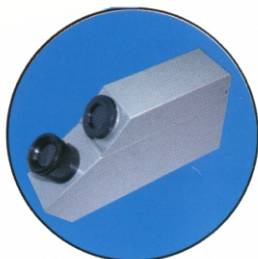
Gem

Gemological Refractometer is a precision instrument which is used for precisely measuring jewelry. Gem has inherent refractive and double refraction, from the parameter, you can judge whether gem is uniaxial or biaxial photopositive or photonegative.

Model		Range	Min DIV
GEM	GEM1(REF601)	1.30~1.81	0.01

VLM Refractometers

This model is designed for measuring the water concentration in content lens.

Model		Range	Min DIV
VLM	VLM1	35~80%	1%

Serum Protein

The models are developed for clinical use which can test total serum protein and urine gravity. The models have the refractive index which can be used for many other purposes in veterinary and human.

Model		Range	Min DIV
Serum Protein	VUR1(REF301)	0~12g/dl	0.2g/dl
		1.000~1.040SG	0.002sg
	VUR2(REF302)	0~12g/dl	0.2g/dl
		1.000~1.050SG	0.002sg
		1.3330~1.3600RI	0.0005RI
	VUR3(REF303)	0~12g/100ml	0.2g/100ml
		1.000~1.050UG	0.005UG
		1.3325~1.3600nD	0.0005nD
	VUR4	0~12g/dl	0.2g/dl
		1.000~1.040UG	0.005UG
		1.3325~1.3600nD	0.0005nD

Model		Range	Min DIV
Serum Protein	VUR1T(REF311)	0~12g/dl	0.2g/dl
		1.000~1.040SG	0.002sg
	VUR2T(REF312)	0~12g/dl	0.2g/dl
		1.000~1.050SG	0.002sg
		1.3330~1.3600RI	0.0005RI
	VUR3T(REF313)	0~12g/100ml	0.2g/100ml
		1.000~1.050UG	0.005UG
		1.3325~1.3600nD	0.0005nD
	VUR4T	0~12g/100ml	0.2g/100ml
		1.000~1.040UG	0.005UG
		1.3325~1.3600nD	0.0005nD

WRS-2(2A) Digital Melting-Point Apparatus

Characteristic:

* Measurement of melting point is one of the important methods of measurement of purity.
* To be used in production of medicines, dye-stuffs, perfumes and other organic crystal substances.
* Photoelectric test.
* LCD display, entry by digital keyboard and direct display of melting curve.
* WRS 2A can measure three samples at the same time and calculate average value of initial and final melting points automatically.

Specification:

Melting-point measuring Range:	Room temp to 300°C
Minimum digital display:	0.1°C
Linear heating ratesΩ	0.2 to 5.0 (°C/min)
measuring accuracyΩ	< 200°C: ±0.5°C , ≥200°C: ±0.8°C

WRR Visual Melting-Point Apparatus

Characteristic:

* To be used to measure the melting point of medicines, dye-stuffs and perfumes and other organic crystal substances of determine their purity. Measurement methode is in conformity with the standard of pharmacopeia.
* Measuring three samples at the same time and calculate average value of initial and final melting points automatically.

Specification:

Melting-point measuring Range:	40~280°C
Minimum digital display:	0.1°C
Linear heating ratesΩ	0.5, 1.0, 1.5, 3.0°C/min
Measuring accuracyΩ	<200°C; ±0.5°C. >=200°C; ±0.8°C.
Repeatability (standard Deviation ó)	0.3£C
Weight (Net):	12.5Kg
Overall Dimensions:	270mm*310mm*400mm

WRS-1B Digital Melting-Point Apparatus

Characteristic:

* Measurement of melting point is one of the important methods of measurement of purity.
* To be used in production of medicines, dye-stuffs, perfumes and other organic crystal substances.
* Photoelectric test
* LCD display.
* RS-232 Interface and real time melting curve.

Specification:

Melting-point measuring Range:	Room temp to 300°C
Minimum digital display:	0.1°C
Linear heating rates :	0.2, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0°C/min
Measuring accuracy :	< 200°C: ±0.5°C , 200°C~300°C: ±0.8°C
Overall Dimensions:	510mm*330mm*200mm
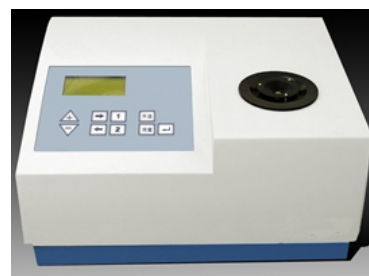
WRX-1S Thermal Value Analyzer With Microscope

Characteristic:

* Microscope with digital ocular. Ordinary ocular and advanced color CCD to reserach.
* Measurement of the melting points of mini-type samples and sliced samples.
* Research thermodynamics of bioengineering.
* Widely used in the fields of medicines, chemical industry, synthetic fiber, biology, mineralogy and criminology.

Specification:

Melting-point measuring Range:	Room temp to 300°C
Minimum digital display:	0.1°C
Linear heating ratesΩ	0.2, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0°C/min
Standard accessory installed:	Digital ocular with TV:1/2" color CCD, 480TV
Optional accessory:	Digital ocular with computer: 1/3" Color CMOS Resolution: 640*480
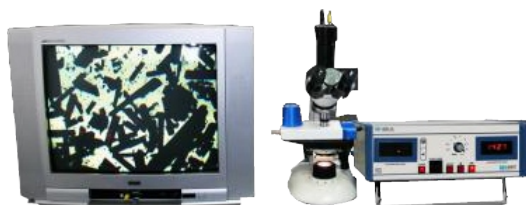
WRS-3 Micro Processor Melting-point Apparatus

Characteristics:
1) Measurement of melting point is one of the important methods of measurement of purity.
2) To be used in production of medicines, dye-stuffs, perfumes and other organic crystal substances.
3) Together with Visual window and Photoelectric test
4) Use PID to control the temperature
5) It can measure three samples at the same time and calculate average value of initial and final melting points automatically.
6) Touch Screen
7) USB and RS232

Specifications
1) Melting-point measurement range: room temperature -320° C
2) Minimum digital display: 0.1° C
3) Size of the capillary: φ1.4mm(outside diameter)φ1.0mm(inside diameter), 100mm 4) Loading height of the sample: 3mm
5) Linear heating-up rate: 1.0° C /min (0.2° C/min ; 1.5° C/min ; 3 0° C/min)
6) Accuracy: when the environmental temperature is 23° C ± 5°C:
 < 200° C : ±0.5°C; 200-320° C: ±0.8°C
7) Deviation of linear heating rate: no more than 10% (setting value)

WRS-1C Melting-point Apparatus

Characteristics:
1) Measurement of melting point is one of the important methods of measurement of purity.
2) To be used in production of medicines, dye-stuffs, perfumes and other organic crystal substances.
3) Use PID & PWM to control the temperature
4) Automatically records the melting curve
5) It can measure three samples at the same time and calculate average value of initial and final melting points automatically.
6) Touch Screen
7) USB and RS232

Specifications
1) Melting-point measurement range: room temperature ~ 400° C
2) Setting rate of the "starting temperature":   50℃~400℃ no more than 5 mins; 400℃~50℃ no more than 7 mins
3) Minimum digital display: 0.1° C
4) Size of the capillary: φ1.4mm(outside diameter)φ1.0mm(inside diameter), 80mm 5) Loading height of the sample: 3mm
6) Linear heating-up rate: 0.1° C ~20° C /min
7) Repeatability: 0.3° C
8) Accuracy: ≤200° C : ±0.5°C; > 200° C: ±0.8°C

X-4 Melting-Point Apparatus With Microscope

Characteristic:
* Measurement of melting point of substances.
* To be used in pharmaceutical industry, chemical industry, textile industry dyestuff with microscope.
* Capillary, slide or cover-glass measurement methodes can be used.

Specification:

Melting-point measuring Range:	Room temp to 320°C
Repeatability	< 200°C: ±1°C , 200°C~300°C: ±2°C
Optic magnification	10X (Eye Lens)
	4X (Objective Lens)

MP120 Auto Melting Point Apparatus

MP120 Auto Point Apparatus is integrated with photoelectric detection, digital temperature display and other technologies, boasts automatic display of initial and final melts and other functions. In the temperature system, linearly calibrated platinum resistor is used as the detection device, offering efficient and accurate test process and results. The apparatus can be widely used in the chemical industry and medicine research and is essential for the production of medicines, spices, dyes and measurement of other organic crystal substances.

 Characteristics:
* Advanced true color VGA touch screen & simple and easy operation and observation;
* 8-level temperature rise design is satisfactory for varied temperature rise options;
* Wider temperature control scope and higher temperature accuracy;
* Optimal cooling rate and sample test speed; * Exclusive integral design;
* It's completely in line with pharmacopeia and GLP requirements.

 Technical data:
-Melting point range room tem.+5~400°C
-"Initial temperature" setting rate ≤7 min(50~400°C)
                                    ≤7.5 min(400~50°C)
 -Temperature resolution 0.1°C
-Repeatability 0.2°C at heating rate of 0.2°C/min
-Temperature accuracy ±0.4°C(<200°C),±0.7°C(<300°C)
-Temperature gradients 0.1/0.2/0.5/1/2/3/4/5°C/min
-Standard capillary size I.D. 1.0mm, O.D. 1.4mm
-Capacity per batch 1pc./batch -Control&Display model LCD color touch screen
 -Power supply 220VAC±10% 50Hz
-Power 150W -Net weight 12kg
 -Dimensions 455mm*312mm*200mm

Mp300 Auto Melting Point Apparatus

MP300 Auto Point Apparatus is integrated with photoelectric detection, digital temperature display and other technologies, boasts automatic display of initial and final melts and other functions. In the temperature system, linearly calibrated platinum resistor is used as the detection device, offering efficient and accurate test process and results. The apparatus can be widely used in the chemical industry and medicine research and is essential for the production of medicines, spices, dyes and measurement of other organic crystal substances.

Characteristics:
 * Advanced true color VGA touch screen is easy for operation and observation;
* 50-level linear temperature rise design is satisfactory for varied temperature rise options;
* Three independent temperature detection systems ensure the detection of three samples of varied melting points;
* Wider temperature control scope and higher temperature accuracy;
* Optimal cooling rate and sample test speed;
* The variation curve of tested sample can be displayed in a timely manner
* RS232 interface, associated computer software and external computer control are available;
* Detailed test data can be stored;
* Exclusive integral design;
* It's completely in line with pharmacopeia and GLP requirements.

Spec:

range	room tem.+5°C--400°C
"Initial temperature" setting rate	≤7 min(50°C--400°C)
	≤7.5 min(400°C--50°C)
Temperature resolution	0.1°C
Repeatability	0.2°C at heating rate of 0.2°C/min
Temperature accuracy	±0.4°C (<200°C), ±0.7°C (<300°C)
Temperature gradients	0.1--5°C/min(default 0.1°C/min, 50 classes)
Standard capillary size	I.D. 1.0mm, O.D. 1.4mm
Capacity per batch	3pc./batch (3 different samples)
Control&Display model	LCD color touch screen
Power supply	220VAC±10% 50Hz
Power	300W
Net weight	17kg
Dimensions	523mm*332mm*216mm

Mp470/450/430/420 Auto Melting Point Apparatus

MP450 Automatic Melting Point Apparatus perfectly integrate video technology into melting point measuring.It not only provides users with reliable melting point test result, but also intuitively displays temperature curve and real-time video image, and achieves the function of save, replay the video etc. It provides better help for users to observe melting process of sample.

The instrument can be widely used in the chemical industry and pharmaceutical research. It is the essential equipment for production of drugs, spices, dyes, and measurement of other organic crystal substances.

Characteristics: Mp470
* China first-created Automatic Video Melting Point Apparatus perfectly integrate video technology into melting point measuring.
* Innovative double true-color VGA touch screen is easy for operation and observation.
* Vast amounts of storage space, can achieve 300 minutes of continuous shooting or nearly 10000 photos storage.
* 0.1°C~20.0°C linear temperature rise design is satisfactory for varied temperature rise options.
* Store up 80 sets of customers experimental method, 40 sets atlas and test data.
* Data can be printed. It's completely in line with pharmacopeia and GLP requirements.

Mp450
* Advanced true-color VGA touch screen is easy for operation and observation.
* 0.1°C~20.0°C linear temperature rise design is satisfactory for varied temperature rise options.
* Four samples can be determined simultaneously, improved production efficiency.
* Through video can observe and study sample color and decomposition temperature.

Spec:

	MP420	MP430	MP450	MP470
Temperature range	RT~350°C	RT~350°C	RT~400°C	RT~400°C
Temperature resolution	0.1°C			
Repeatability	0.2°C at heating rate of 0.2°C/min			
Temperature accuracy	±0.4°C(<200°C), ±0.7°C (<300°C)			
Temperature gradients	0.1°C~20°C			
Standard capillary size	I.D. 1.0mm, O.D. 1.4mm			
Display	TFT5.6" Touch screen+TFT3.5" screen			
Interface	USB, SD card, RS232, Enternet			
Video output	SD Card			
Magnification	7			
Capacity per batch	4pc./batch			
Operator account	-	4	8	15
Camera & Video	Camera	Camera & Video	Camera & Video	Camera & Video
video reply	-	Yes	Yes	Yes
Curve storage	-	-	10 groups	40 groups
Result storage	50 groups	200 groups	600 groups	1000 groups
SD card capacity	2G	4G	8G	16G
Method storage	-	-	30	80
Power supply	220V±10% 50Hz			
Power	120W			
Dimension	305*220*230			

Magnetic Stirres
Shaker Series
Electric Stirres
Mixer
Thermco Shaker
Hot Plate

Constant Temperature Magnetic heating Mixer

HJ-3 Temperature-controlled
Magnetic Mixer
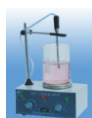
78HW-1 Thermostatic
Magnetic Mixer
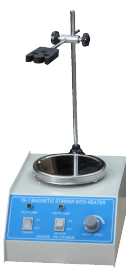
79-1 Magnetic
Heating Mixer

HJ-4B Thermostatic
Magnetic Mixer

DF-II Heat-concentrating
Magnetic Mixer

85-2 Magnetic
Heating Mixer

78-2 Magnetic
Heating Mixer

Features:

Magnetic heating mixer adopts quality DC motor with features of small noise and stable speed-adjustment and the entire-close heating tray can be used for assistant heating. Thermostatic magnetic mixer can set the temperature and temperature display, which can be used for long-term heating and its digital display is obvious and correct. The mixing blades specially made of polytetrafluoroethylene and quality magnetic steel can endure high temperature, resistant to wear and chemical corrosion and has strong magnetism, which can carry out mixing mission in the airtight vessel, so its use is very ideal and convenient.

Specification:

Type	Description	Rotation Speed	Power of Motor	Heating Power	Temperature Control Range	Remarks
78-1 78-2 HJ-1	Magnetic Heating Mixer	0-1250rpm	25W	200W		78-2 Bidirectional
79-1 79-2 HJ-3 85-2 78HW-1	Magnetic Heating Mixer	0-1250rpm	40W	300W		79-2 Bidirectional
DF-II	Heat-concentrating Magnetic Mixer	0-1450rpm	60W	500W	RT-300°C	Digital Display water bath or oil bath
HJ-4 HJ-2 HJ-4B HJ-6	Multi-head Magnetic Mixer	0-1600rpm	25W	200W	RT-100°C	HJ-4B Thermostatic

GL-3250 Series magnetic agitator

* Cast off the yoke of traditional mindset of domestic magnetic agitators to promote latest fully molding upgraded products in novel appearance.
* Novel Integrated shell: The integral shell is formed with anti-flaming enhanced type plastic, resisting heat, acid, alkali and organic solvents;
* Unique heating design: The die-casting aluminum alloy heating plate exteriorly pained with Teflon material is unique in heat conducting effect, high in coldness, heat and corrosion resistance.
* Double effects in heat insulating: The double-layer plate at the bottom of heating plate may fully raise heat efficiency and stop heat from conducting to main frame.
* Integrally upgrading: The integrally formed shell with top convexity design may effectively prevent carelessly overflowed fluid in agitating operation from flowing into inside the main frame;
* Visualized temperature indication: The unique digital circuit design may accurately select and control heating plate temperature or directly

Specification:

Model	GL-3250A	GL-3250B	GL-3250C
Speed	100~1200 RPM	100~1200 RPM	100~1200 RPM
Maxim agitation Capacity	10L	10L	5L
Temperature	RT~300C	RT~190C	No
Protection Temp	350C	220C	220C
Temp. control mode	Analogic	Digital	No
Precision of Temp.Control		+/-2C	
External PT-100 Sensor	No	Yes	No
Forward-backward rotation	No	Yes	No
Diameter of heating plate	150mm	150mm	
Maxim Heating function	350W	350W	
Power	220V/50Hz	220V/50Hz	220V/50Hz
Overall dimension	198*225*115mm	198*225*115mm	198*225*115mm
Weight	2.4KG	2.4KG	2.0KG

GL-3250A
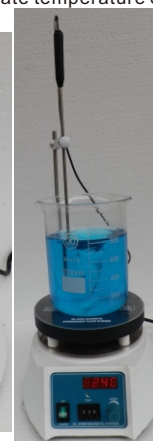
GL-3250B

DC Digital Display Constant Speed Power-Driven Mixer

Series DC digital display constant speed electric mixer has reasonable design and novelty structure. It use DC brushless motor and stepless speed, and is equipped with voltage stabilizing system, so the display of rotation speed is stable. It has such features as large power, little noise, safe operation, and so on, which had provided one indispensable basic equipment for mixing various liquid-phase chemical reactions at labs of colleges and schools, scientific research unit and chemical plant.

JJ-4 Six-link Synchronization Electric Mixer

JJ-6 Digital Display DC Electric Mixer

JJ-2 Force Increasing Electric Mixer

JJ-1 Precision Electric Mixer

GZ (GZ-A)High Power Laboratory Overhead Stirrer

Specification:

Type	Description	Power of Motor	Timing Range	Rotation Speed	Speed Digital Display	Weight
JJ-1 JJ-2	Force Increasing /Electric Mixer	25w, 40w, 60w, 80w, 100w, 150w, 200w	0-120min	0-3000rpm	No	10kg
JJ-3 JJ-4	Six-link Electric Mixer	6*100w	0-120min	0-1800rpm	Yes	32kg
JJ-6	Digital Display DC Constant Speed Mixer	100W, 300W	0-120min	0-2500rpm	Yes	12kg

GZ (GZ-A) High Power Electric Stirrer/Overhead Stirrer	
Power Supply	AC 220V 50Hz/60Hz
Speed	60-500rpm(Step I) ,240-2000rpm(Step II)
Motor power	200W
Max. stirring capacity	20Liter
Maximum moment of stirring shaft:	1850gcm
Applicable medium viscosity	0-10000mpas
Display	GZ-A is digital, GZ is without display
Large capacity, easy to use, cost efficient, widely applicable.	

KJMR-II Blood Roller Mixer

Description:

The product is used for mixing and blending of the blood, powder reagents, total blood control materials in the anticoagulalion tube or bottle. It is proved of being more accurate and effective than the manual mixing by the Shanghai Clinical Inspection Center as well as the Big Hospital all over that China. According to different requirements, it can be rolling mixing, anticlockwise rolling and speed adjustable. It iS an ideal instrument for clinical Lab.

Speed: Vibrating: 10~80 RPM
       Rolling: 10~80 RPM
Power consumption: 12W

KJMR-IIA Blood Roller Mixer

Description: KJMR-IIA is the upgrade model of KJMR-II. Digitally controlling on the speed and time is applied to this new model on the basis of the old model function which is clearly displayed by LED. It would be more convenient for the operator and improve the accuracy of the experiment.

Spec: Speed swing: 20-100 times/min Rolling: 20-100 r/min
Swing amplitude: 22±1mm
Timing range: 0-999min
Running mode: Timing/continuous
Power rating: 10W
Voltage: AC 100-240V (50/60Hz)
N.W.: 3.6Kg
External dimension: 394*266*98mm

XW-80A Vortex Shaker

Power:	220v
Capy:	40w
Rotation speed:	2800rpm
Working Platform;	¢ 110mm rubber
Operation mode:	continuous
Overall dimension:	¢ 160*140mm

Vortex-5 Vortex Shaker
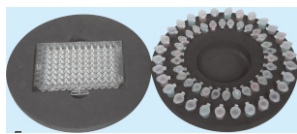
Optioanl accessories

Power: 220V
Capy: 50W
Rotation Speed: 2800 RPM
Working: Continuous, Point touching, Speed Regulation
Plate: Exchaneable Between Bowl Type and Flat Type
Overall Dimension: 170 * 120 * 170mm

Feature:
Powerful vortex shaker of point touching, continuity and speed regulation
Mixer mode of touching and vortex: It may be controlled through speed regulation to mix from low-speed to high- speed with proper modes to choose as required.
Multifunction: Both bowl type shaking plate and flat type shaking is provided for manual and automatic mixing modes of different test tubes and containers;
Stable operation: Enough weight and integrated metal shell allow various shaking to have a stable operation platform.

VORTEX-6

The Vortex-6 shaker upgraded from VORTEX-5 is uniquely equipped with light-operated device with no need of frequent power supply switching, totally different from original operation mode and having really materialized the forward-minded service state-of-the –art.

Power: 220V
Capy: 50W
Rotation Speed: 2800 RPM
Working: Continuous, Point touching, Speed Regulation
Plate: Exchaneable Between Bowl Type and Flat Type
Overall Dimension: 170 * 120 * 170mm

KJMR-III Multi-Mixer

Desc
: KJMR-III Multi-Mixer has the capability to perform three modes of mixing, all of which are programmable. It is very simple to operate within seconds. It can mix variable substance such as blood sample, urine sample, injectant, blood plasma etc.

Mixing method:
1. Rotation: Rotate 360 , clockwise, anticlockwise or clockwise and anticlockwise alternately.
2. Vibration: Shake up and down.
3. Vortex: Swirl the samples according to the mode of vortex.

Spec:
Voltage : 220v±10% 50/60Hz
Speed: 5-30r/m
Working plate 1: 1.5ml-15ml tube in 22pcs
 Working plate 2: 50ml tube in 6pcs, 1.5ml-15ml tube in 4pcs as spare parts
Moving angle: 15°-90° (per 15° as a shift) Vortex angle: 1°-5°
Maximum working time: 12 hours
 External Dimension: 380*182*190mm
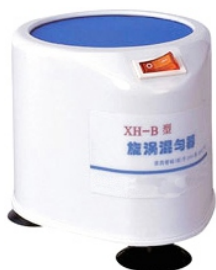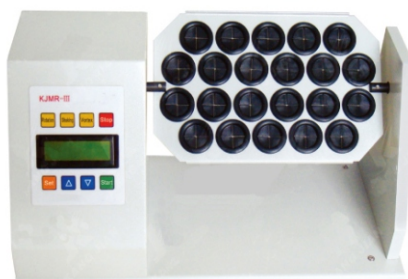
XH-B Vortex

XH-C Vortex

Description:
The product is fitted with imported motor, which is use for the mixing of the liquids in centrifuge, tubes, test tubes and beakers. According to the operator's strength, the vortex frequency is adjustable to ensure the full and fast mixing of the media. The working face is newly designed of anticorrosive and easy for cleaning.

Packing Quantity: 8 sets/package
Packing Measurement: 46*39.5*42

Description:
Being of compact design, no noise and easy for operation, the product has two functions of interlocking and inching, which is suitable for blending of the normal blood (centrifuge tube, 820 sample cup and 900 sample cup ect.) with character of full mixing and not destroying the blood cells. Comparing to the manual operation, it is more convenience and also can be used for blending of the liquids in other containers.

Packing Quantity: 8 sets/package
Packing Measurement: 40*37.5*47.5

Incubator Shaker-LCD Display

* Humanized Design
* Incubator & Shaker integration compact design.
* Giant-screen LCD, groups-data display in one screen, special all directions navigation key, easily operation.
* Engineering plastic scrust, big view port, stainless steel chamber ensures easy clean.

2. Quality
* Microprocessor controller with timing function controls temperature and shaking speed.
* International brand compressor and circulating fan, environmental protection cryogen (R134a), with high efficiency and low power consumption, promoting energy saving.
* AC brushless motor, long life, Maintenance- free.

3. Safety:
1. Cycle, heating & shake will automatically shut down when the door open.
2. Special speed control system can ensure stabilization of shake, avoid liquid spill.
3. Automatically shut down when the temperature is beyond limit to ensure safety of both personal & instrument.
4. With circulating fan speed auto-control system, avoid the volatilization of sample when the fan speed is too fast.
5. Equipped with HEPA filter to filte the microbe & dust.
6. RS485 interface are options, which connect to computer to record variation curves of temperature. (Option)

Specification:

Model	Incubator Shaker	
	THZ-100	THZ-300
Electrical Requirements	220V 50HZ (110V 60Hz option)	
Shaking Speed Range	40 ~ 300RPM	
Amplitude	20mm	
Temperature	RT+5 ~ 50°C	RT+5 ~ 50°C
Temperature Control	0.1^{o}C	
Input Power	580W	750W
Platform Range(mm)	350*350	450*450
Timing Range	1 ~ 9999min	1 ~ 5999min
Maximal flask clamp	500ml--9 Units, 250ml--12 Units, 100ml--16 Units, 50ml--28 Units.	2000ml--6 Units, 1000ml--8 Units, 500ml--9 Units, 250ml--12 Units, 100ml--16 Units, 50ml--28 Units.

THZ-300
THZ-300C

THZ-100

Maximal flask clamp is standard accessories.

Platform Shaker, Incubator Shaker, High & Low Temp Shaker

1. Microprocessor controller with timing function controls temperature and shaking speed.

2. Stainless steel chamber ensures easy clean.

3. Set the protective temperatures as your pleasure, which provide your samples reliable protection.

4. A door switch is provided: systems stop working when lid is open, while the system start up when the lid is closed.

5. A speedup-controlling circuit ensures smooth start and stop of shaker and also can prevent liquid in container from exuding, which may damage instruments.

HZQ-X100A

HZQ-F160A

WSZ-100A
WSZ-200A

Specification:

Model	Platform Shaker	High & Low Temperature incubator Shaker	Constant-temperature shaking Incubator
	WSZ-100A WSZ-200A	HZQ-F160A	HZQ-X100A
Electrical Requirements	220V 50HZ (110V 60Hz option)		
Shaking Speed Range	40 ~ 300RPM		
Amplitude	20mm		
Temperature		RT +4 ~ 50°C	RT+5 ~ 65°C
Temperature Control	0.1°C		
Input Power	100W	950W	450W
Platform Range	400*340 450*450	400*320	400*340
Timing Range	0 ~ 120Min	0 ~ 9999min	

Maximal flask clamp is standard accessories.

KJMR-IV Blood Mixer

Description:

The working face can be run circle for blending the blood in equal way in the containers and ensuring the accurate and repeatability of the testing results.

The operator can put in and take out the sample easily.While the speed is adjustable which is suitable for the blood blending in vacuum blood tubes.

Rolling Speed: 6-32 rpm Angle of Inclination: 38°
Tube Qty per : 1-24 pc   Voltage: AC220V
Tube diameter: Ø8~Ø15±0.1mm   Power Consumption: 12W
Working Disc Diameter: Ø 300mm   Working System: continue

KJMR-IVA Blood Mixer

Dscription:
 KJMR-IVA is the upgrade model of KJMR-IV Digitally controlling on the speed and time is applied to this new model on the basis of the old model function which is clearly displayed by LED. It would be more convenient for the operator and improve the accuracy of the experiment.

Specification:
Rotation Speed: 5-35 r/min
Timing range: 0-999min
Tube Qty: 1-24 pcs
Tube diameter: Ø8-Ø15±0.1mm
Plate Diameter: Ø300mm

Angle of Inclination: 38º
Voltage: AC 100-240V(50/60Hz)
 Power Rating: 10W Operation
mode: Continuous/Timing

XH-D Mixer

Desc: The economical vortex mixer is in a wide range of operation, there are two kinds of working plate: rubber and plastic. It can be used for liquids mixing in different test tubes, flasks, beakers. Dual mode switch makes the vortex work continuously or in inching. The speed of both models could be adjusted according to different requirements. Highefficiency and low noise.

Spec:
Voltage: 220V±10% 50/60Hz
Power rating: 50W
Working method: Continuous, inching, speed adjustable
Speed: 2800r/m
Working plate: Bowl shape, Disc shape
External dimension: 170*120*170mm

QL-861

Power: 220V 50Hz

Capy: 40W

Operation Mode: Touching, Continuous

Rotary Speed: 3000 RPM

Plate: Ø55mm Rubber

QL-866 Vortex Shaker

Rotation speed:3000rpm

Operation mode:continuous,stepless speed regulation

Plate:Ø55mm rubber

Capy:40w

Power:220v 50hz

QL-901 Vortex Stirrer

Model	QL-901
Speed	2800r/min
Power	220V 40W
Working Mode	Continuous, Touch
Working Platform	¢ 60mm Wearable rubber head
Measure	160 * 120* 170

KJ-201A Oscillator (Minim-Oscillator)

Use the silicone tray, which can be used for different culture plates, micro-plate oscillating simultaneously with high effectiveness and speed adjustable. It is the successor to the old products.

KJ-202 Oscillator (powder mixer)

It is of compact design and no noise, 19 different kinds of bottles can be put in at one time and easy for operation, which can be use for mixing of the medicine powders which is not mixed by normal ways for avoiding the waste of the medicine. Which is a good hand for the medical persons in hospitals.
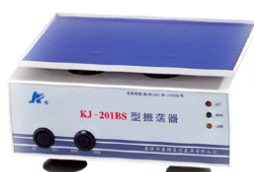
KJ-201BS, KJ-201BD Oscillator (Horizontal Rotor)

The product is used for mixing of RPR testing card with character of stability, no noise, reasonable rotating speed and compact design. It is applicable to the epidemic prevention station, blood station dermatosis and hospitals.
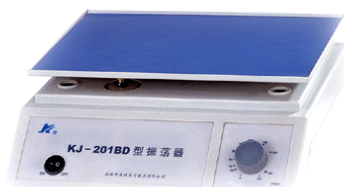
MH-1 Mini Shaker

Power:220V
Capy:30W
Vibration Range:6mm
Rotation speed:0-2800RPM
Overall Dimension:210mm*160mm*110mm
Range: Two 96-pore Boards
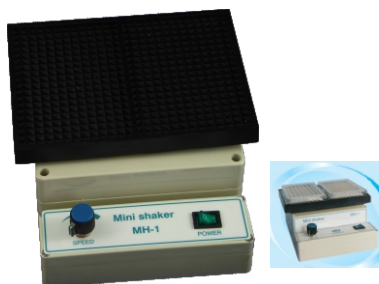
MH-2 Mini Shaker

Power: 220V
Capy: 30W
Vibration range: 6mm
Timing: 0 ~ 120min
Frequency: 0 ~ 2800 RPM
Overall Dimension: 185 * 185 * 120 mm
Range: Two 96-pore Boards

KJ-201C Oscillator

Professional design and no noise, 6 plates can be placed in at one time, Speed adjustable. Imported motor, little noise. Could equipped with digital display of speed and timing if needed.

Main Technical Data: Voltage: 220V±10% 50/60Hz
Power rating: 12 W
Oscillating Frequency: <2800r/m
Working plate size:278*270mm(6 plates)   128*86mm(1 plate)

KJ-201BY Rocking Mixer

It's a machine which swings up and down with little swing amplitude. Frequency adjustable. it's used for fixing of running gel spectral band, rocking of Coomassie blue and decolorization and fixing of silver nitrate staining, etc. It's used for development and fixation of X-ray film, further treatment cellulose membrane after electrophoretic migration, molecular hybridization, cell culture and blood mixing.

Main Technical Data: Rocking Speed: 15 r/m
Rocking angle: ±25°
Working plate size: 252×170mm
External dimention: 346×196×95mm
Voltage: 220V±10% (50/60Hz)

KJMR-V 3D Rotation Mixer

The kind of Mixer with three-dimensional motion provides gentle and thorough mixing. It is ideal for sample mixing in centrifuge tubes, as well as resuspension of large, fragile DNA FRAGMENTS. The KJMR-V accommodates most size tube, centrifuge tube, microwell plate, petri dishes and tissue culture plate and cell culture bottle. This equipment is suitable to work in the incubator or cold room.

Main Technical Data:
Voltage: 220V±10% (50/60Hz)
Power Rating: 6W
Type of Movement: 3D
Angle: 20°
Maximum Load Capacity: 0.8Kg
External Dimension: 240*170*150mm

DSR-10 Digital Shaking Rotator

Features:
1. With different types of fixing clips, it can carry out the mixing and shaking for vessels of different shape and size.
2. Two operation methods for choice: circling and reciprocating (Inverse direction also can be customized).
3. Compact structure. With BLDCM (Brushless DC Motor), the equipment can run smoothly with little noise for long period.
4. LCD with backlight can display the current speed, time and operation mode, convenient for reading and setting.
5. Precise digital time and speed setting can easily carry out the continuous operation mode.
6. Safe operating protection function adopted.
7. PC connection through RS232 interface. Particular software PClab can easily realize equipment controlling and recording on PC.
8. Maximum load reaches 7.5KG.
9. Accessories are not included, please order separately.

Accessories:
"Accessories: 1. Flatbed working plate(with silicagel pad) 2. Working plate with beam barrel clamp   (With silicagel pad and 8 beam barrels, quantities optional) 3. Working plate of four-jaw chuck.   Optional fixing clip: Clip for 25ml conical beaker.   Clip for 50ml conical beaker.   Clip for 100ml conical beaker.   Clip for 200ml/250ml conical beaker.   Clip for 500ml conical beaker. "

Main Technical Data:
Operation method: Circling and reciprocating
Shaker diameter: 10mm
Maximum loading weight (incl. Fixing clips): 7.5kg
Equipment input power: 35W
Motor output power: 10W
Motor type: BLDC
Speed range:100-500rpm
Speed display: LCD
Timer display: LCD
Time setting range: 1-19h59min

Operation mode: Timing/Continuous
Shaking table lock: Yes
Dimensions (W*H*D): 420*360*100mm
Weight: 13kg
Permissible ambient temperature: 5-50°C
Permissible relative moisture: 80%
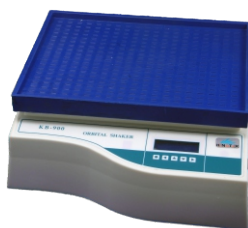Protection class according to DIN EN 60529: IP21
RS 232 interface: Yes
Analog output: Yes
Voltage: 220-240V/100-120V
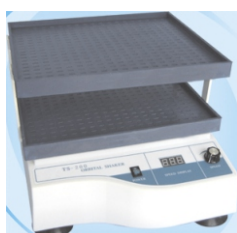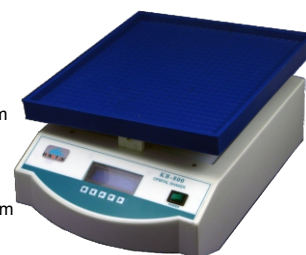Frequency: 50/60Hz

KB-800 Intelligence Transference Shaker

Power: 220V

Capy: 30W

Frequency: 0 ~ 80 RPM

Speed: Digital

Rocking Range: Up-Down 20 mm

Plate: 280*260mm

Timing: Digital

Overall Dimension: 350 * 260 * 150mm

LCD Display

Touch Key

KB-900 Intelligence Decoloring Shaker

Power: 220V

Capy: 35W

Frequency: 20 ~ 240 RPM

Rotaion Range: Turning Radius 15mm

Plate: 320 * 265mm

Timing: Digital

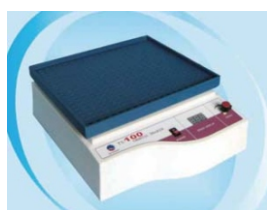Overall Dimension: 370 * 335 * 145mm

LCD Display

Touch Key

TS-200 Decoloring Shaker

Power: 220V

Capy: 40W

Frequency: 40 ~ 240 RPM

Speed: Digital

Plate: 320 * 265mm*2

Overall Dimension: 370 * 335 * 145mm

TS-8S Trnsference Decoloring Shaker (Double Layers)

Power: 220V

Capy: 30W

Frequency: 0 ~ 80 RPM

Rocking Range: UP~DOWN 20mm

Plate: 280 * 260mm*2

Overall Dimension: 350 * 260 * 260mm

TS-100 Decoloring Shaker

Power: 220V

Capy: 35W

Frequency: 40 ~ 240 RPM

Rotation Range: Turning Radius 15mm

Speed: Stepless Speed Regulation, Digital Display

Plate: 320 * 265mm

Overall Dimension: 370 * 335 * 145mm

TS-1000 Decoloring Shaker

Power: 220V

Capy: 40W

Frequency: 40 ~ 240 RPM

Rotaion Range: Turning Radius 15mm

Speed: Stepless Speed Regulation, Digital Display

Plate: 320 * 265mm

Timing: 0 ~ 120 Min

Overall Dimension: 370 * 335 * 145mm
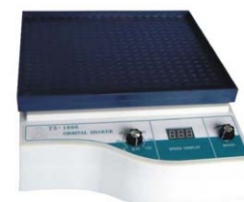
Multi-purpose Decoloring Shaker TS-2000A

Power: 220V

Capy: 35W

Frequency: 40 ~ 240 RPM

Shaking Displacement: Turning Radius 15mm

Speed: Stepless Speed Regulation

Plate: 250 * 230mm

Timing: 0 ~ 60 Min/Continuous

Overall Dimension: 350 * 250 * 150mm

TS-8 Transfernce Decoloring Shaker

Power: 220V

Capy: 30W

Frequency: 0 ~ 80 RPM

Speed: Stepless Speed Regulation

Plate: 280 * 260mm

Rocking Range: Up-Down 20mm

Overall Dimension: 350 * 260 * 160mm
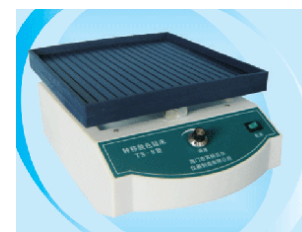
MS-100/MSC-100 Thermo Shaker

It is designed for simultaneous heating, cooling and mixing of small samples. Both MS-100 & MSC-100 are supplied with interchangeable platforms for various tubes mixing, heating and cooling modes can be used either simultaneously or independently. The main body housing the mixing and heating platform can accommodate different kinds of blocks.

Features:

1. LCD display. It is easy to setup and use
2. Accurately control and display time, temperature and speed
3. Over heating protection device ensures safety & reliability
4. Low noise working even under the speed of 1,500rpm
5. Customized blocks are available to suit your specific demands
6. Audible signal to indicate end of run after program completion
7. Gental, reliable mixing with long-life direct current motor
8. Conforms to CE safty standard
9. Peltier design of MSC-100 provides thermal control in a compact unit

Specification

Model	MS-100	MSC-100
Temp.Setting Range	RT +5 Deg.C ~ 100 Deg.C	0 Deg.C ~ 100 Deg.C
Temp.Control Range	RT+5 Deg.C~100 Deg.C	0 Deg.C ~ 100 Deg.C Ambient Temp.<20 Deg.C
		4 Deg.C ~ 100 Deg.C Ambient Temp.<25 Deg.C
		10 Deg.C ~ 100 Deg.C Ambient Temp.<30 Deg.C
Timing Range	1min ~99h59min	
Mixing Range	200 RPM ~ 1500 RPM	
Mixing Orbit	2 mm	
Temp.Control Accuracy	±0.5 Deg.C	
Display Accuracy	0.1 Deg.C	
Heating Time (20 to 100 Deg.C)	<15 Min	
Cooling Time	------	<30 min (From RT. To RT-20 Deg.C)
		<15 min (From 100 To 20 Deg.C)

Blocks for MS-100/MSC-100 (Option)

Type	Discription	Max. Seed (RPM)
A	96*0.2ml	1500
B	54*0.5ml	
C	35*1.5ml	
D	35*2.0ml	
E	15*0.5ml+20*1.5ml	
F	24*Dia.<12mm Tube	1200
G	12*15ml Falcon	750
H	6*50ml Falcon	
I	103*67*30mm Bath Block	1500
J	96*0.2ml microplate	
K	24*5ml Tubes	1200
L	96-Deep well plate	800

MX100-4A Shaker

Feature:

* Variable Speed from 200 to 1500 RPM
* DC brushless motor for gentle and powerful motion
* Mixing orbit of 3 mm for efficient mixing in small sample vessels
* Continuous or timed operation
* Optional rack for 1.5ml centrifuge tube
* Simple spring holder for easy and quick of plate installation

Spec:

Speed	200~1500 RPM- Standard
	200~1000 RPM-Deep Well
Timer	1 Min ~99H59Min
Orbit	3 mm
Weight	7 Kg
Power	220V/100V, 2A
Dimension	280*370*110mm

MB100-2A Thermo Shaker

MB100-2A is designed for shaking 1 – 4 standard 96-well microplates in the thermostating mode. They were designed using the multi-system principle which allows using it as 2 independent devices:

1. Incubator for lasting incubation without shaking of micro-quantities (insect, plant cell cultures, etc.) in immunoplates.

2. Microplate thermo-shaker for immunochemistry and molecular diagnostics, where the requirements to the

A distinctive feature for the MB100-2A/MB100-4P is two-side heating of microtest plates that allows achieving exact correspondence of the set and actual temperature in wells of the mi

The devices can be used in:

1. Cytochemistry — for in situ reactions;
2. Immunochemistry — for immunofermentative reactions;
3. Biochemistry — for enzyme and protein analysis;
4. Molecular chemistry — for matrix analysis.

MB100-2A

Spec:

Model	MB100-2A	MB100-4A
Temperature Range	RT+5~70 Deg.C	
Uniformity over the platform	<0.5 Deg.C	
Display Accuracy	0.1 Deg.C	
Shaking Speed	100~1200 RPM	100~1500 RPM
Orbit	2 mm	
Independent Timer:	1 Min ~ 99h59min	
Heating Speed	<25 min	
Platform Capacity	2 Plate	4 Plate
Platform Dimensions:	280*270*140mm	

MB100-4A
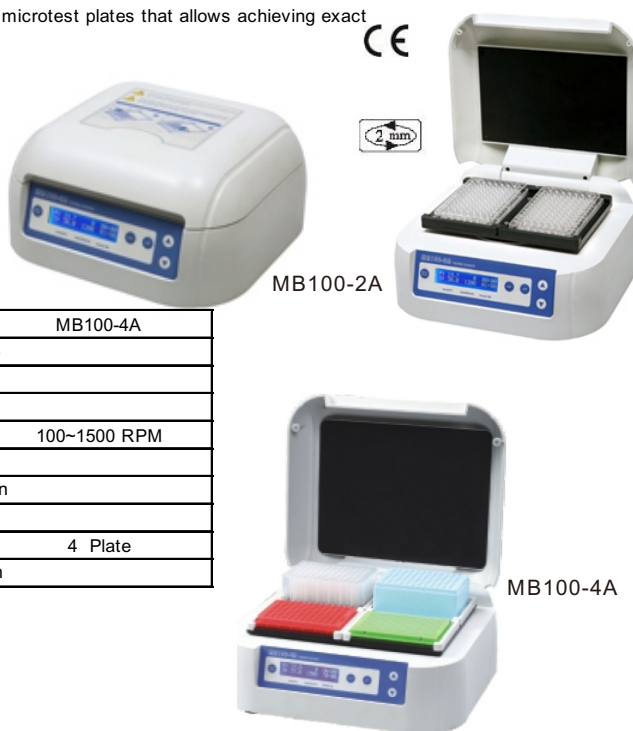
OS-200/OS-100 Orbital Shaker

OS-200/OS-100 Orbital Shaker is a powerful variable speed shaker which provides efficient orbital motion. Microprocessor controls of speed and time. The shaker can be applicable in different laboratories: in microbiology, chemistry, immunology, biochemistry and molecular biology.

Model	OS-200	OS-100
Shaking Speed:	50~250 RPM	50~300 RPM
Orbit:	20mm	
Digital Timer:	1 Min~99H59Min	
Interchangable platforms optional	See Below Table	
Motor	Brushless Motor	

OSC-200

OSC-100

PP-1	Flat platform with non-slip rubber mat
PP06-250	Platform with clamps for flasks, 250-300ml
PP12-100	Platform with clamps for flasks, 100-150ml
UP-1	Universal platform with adjustable bars for different types of flasks and bottles

UP-1

PP-1

PP12-100

PP06-250

MTV-100 Multi-Tube Vortexer

Features:

Pulsing mode: Programmable pulsing mode allows user to adjust the pulse-on and pulse-off times between 1~59 seconds in 1 second intervals. This feature enhances the vortex action by creating a more vigorous mix.

Microprocessor control: The variable speed microprocessor control provides consistent uniform mixing action.

LCD display: Touch pad controls with easy-to-read, independent LCD displays for speed and time allow operator to view both settings at once.

Applications: Suspensions, high throughput testing in clinical, environmental, and chemistry labs.

Specification:
1. Speed Range: 500~2500rpm
2. Speed Accuracy: ±25rpm
3. Timer: 1min ~ 99h59min
4. Orbit: 3.6mm
5. Maximum Weight Capacity: 4.5kg
6. Tray Dimensions (LxW): 31 x 18cm
7. Overall Dimensions (LxWxH): 426×250×480mm
8. Net Weight: 21.5kg

Block (option)

Type	Tube Capacity	Dimension (mm)
MTV-B01	50 x Φ10mm	245*132*45
MTV-B02	50 x Φ12mm	245*132*45
MTV-B03	50 x Φ13mm	245*132*45
MTV-B04	50 x Φ16mm/15ml	245*132*45
MTV-B05	50 x Φ25mm	245*132*45
MTV-B06	15 x 50ml	245*132*45
MTV-B00	Tray pad set (upper & lower)	305*178.5*25

TMS-200 / TMS-300 Turbo Thermo Shaker

The worldwide fastest and the most functions thermo-shaker for multiple applications.

1. Thermoshaker for microplates, tubes, and glass vials
2. Fast shaking and mixing up to 3,000rpm
3. 3D-Shake-Control: efficient and very fast controlled orbital mixing movements, eliminating any need for centrifugation after mixing.
4. Anti-Spill Technology: Perfectly controlled 3-dimensional mixing prevents spilling and lid wetting.
5. Highly accurate processing and Anti-Vibration Technology eliminate vibrations for a relaxed working environment.
6. 2 programmable soft keys, Integrated vortex and short mix functions
7. Very small, light, efficient and quiet
8. Adapter Plates:

   Microplates: - 96-, 384-,and 1536-well microplates/deep well plates/PCR plates
   Holder: - 0.2ml PCR tubes holder, 0.5ml tubes holder,1.5/2.0ml tubes holder
   - 15ml Micro tubes holder, - 50ml Micro tubes holder
   Block: - 10 types Aluminum blocks for user choosing

Technical Spec:

Model	TMS-200	TMS-300
Mixing Frequency:	300~3000 RPM	300~1700 RPM
Mixing orbit	2 nm	3 nm
Speed setting resolution	10 rpm increments	
Maxing Accuracy	25 rpm	
Short-Mix function	Yes	
Temp:		
Temp control range	RT+5~100 Deg.C	
Temp Setting	0.1 Deg.C increment /From 5 ~ 100	
Temp display accuracy	ù 0.1 Deg.C	
Temp Accuracy	±0.25 Deg.C @ 37 Deg.C/±0.5 Deg.C	
Heat-up Time:	<12 Min	
Timer:		
Timer Setting:	1 Min ~ 100 h	
Timer Setting resolution	1 Min	
Continuous working & audible alart	Yes	
Programming		
Programming Stored & Definable bottons:	2 & P1 and P2	
Indicidual program capacity & internal memory	3 steps & Yes	

Type	Desc
A-200	96*0.2ml
B-200	54*0.5ml
C-200	35*1.5ml
D-200	35*2.0ml
E-200	15*0.5ml+20*1.5ml
F-200	24*Ø<12mm+20*1.5ml
G-200	32*0.2ml+25*1.5ml
H-200	32*0.2ml+10*0.5ml+15*1.5ml
I-200	103*67*30mm Bath Block
J-200	96*0.2ml Microplate
Mix-A	0.2ml PCR Tube Holder
Mix-B	0.5ml Tube Holder
Mix-C	1.5/2.0ml Tube Holder
Mix-D	8*15ml Tube Holder
Mix-E	3*50ml Tube Holder
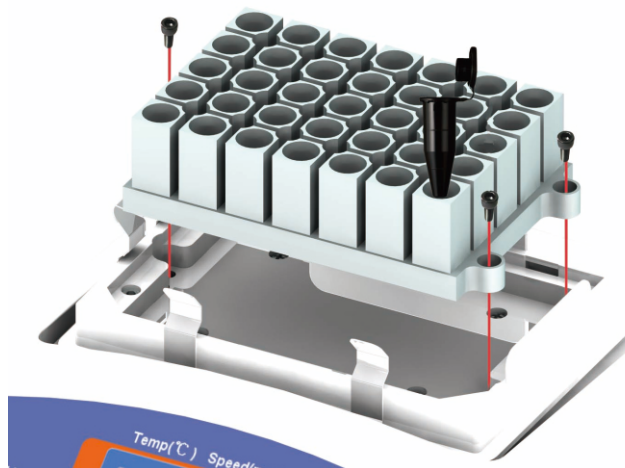
MIX-100 mix smart thermo shaker incubator

Compact and amazingly designed, benchtop Mix-Smart can be used for virtually any mixing applications. It accommodates micro test tubes, PCR plates, deepwell plates and MTPs. The Mix-Smart only takes up an area of 17 *24 cm, less than the size of this A4 paper. But the Mix-Smart can be offered many options for holding a wide variety of tubes and plates.

Feature:

Mixing in a 3-in-1 format

1. Plates (up to 96-, 384-, and 1536-well formats)
- PCR plates (skirted, semi-skirted, unskirted)
-Deepwell plates etc..
-MTPs
2. Tubes
- 0.2ml PCR tubes and PCR strips
- 0.5ml Micro test tubes
- 1.5ml / 2.0ml Micro test tubes
- 15ml Micro test tubes
- 50ml Micro test tubes
3. Vortexing numerous tube formats

Specification:

1. 2D Mix-Control
-Oprimized mixing
-Anti-spill technology
2. Preprogrammed soft keys
3. Reliable universal holder
4. Automatic imbalance detection--a common feature in centrifuges
5. Integrated vortex function
6. Power supply: 230V/120V, 50/60Hz, 45W
7. Dimensions (WxDxH): 17x24x14cm
8. Mixing Speed: 300rpm to 3,000rpm (Increment: 10rpm)
9. Touch vortexing speed: 3,500rpm
10. Net Weight: 4.5kg
11. Adjustable mixing time: 15s to 99h59min; continuous
12. Mixing and vortexing radius: 1.5mm (3mm mixing Orbit)

Applications:

1. Mixing PCR preparations
2. Resuspending pellets (e.g., bacteria, DNA, cell culture pellets)
3. Incubation (e.g., ELISA assays)
4. Colorimetric assays (e.g., Bradford, Lowry, BCA)
5. Reporter gene assays (e.g., galactosidase, luciferase)
6. Mixing restriction digestion preparations
7. Vortexing numerous tube formats (e.g., 15ml and 50ml conical tubes)

Blocks (Option)

Mix-A	96x0.2ml PCR Tube Hold
Mix-B	24x0.5ml Tube Hold
Mix-C	24x1.5ml/2.0ml Tube Hold
Mix-D	8x15ml Tube Hold
Mix-E	3x50ml Tube Hold

KDM-A Digital Display Thermostatic Sheath

Model	KDM-A	KDM-A	KDM-A	KDM-A	KDM-A
Capacity	250ml	500ml	1000ml	2000ml	3000ml
Heat Power	200W	400W	600W	800W	1000W
Temp. Range	RT-300℃				
Power	AC 220V				

KDM Thermostatic Sheath

Model	KDM	KDM	KDM	KDM	KDM	KDM
Capacity	250ml	500ml	1000ml	2000ml	3000ml	5000ml
Heat Power	200W	400W	500W	800W	1000W	1500W
Power	AC 220V					

Hotplate (Stainless Steel)

Model	Desc.
DB-II	Heat Power 500W, Work Dimension: 150*200mm
DB-III	Heat Power 1000W, Work Dimension: 200*300mm
DB-IV	Heat Power 2000W, Work Dimension: 300*400mm
DB-IIA	Heat Power 500W, Temp range: RT-300 C, Digital display,Work Dimension: 150*200mm
DB-IIIA	Heat Power 1000W, Temp range: RT-300 C, Digital display, Work Dimension: 200*300mm
DB-IVA	Heat Power 2000W, Temp range: RT-300 C, Digital display, Work Dimension: 300*400mm
DB-VA	Digital display, Temp range: RT-300 C, Digital display,Work Dimension: 400*600mm

Note: Plate material is 304 Stainless steel

KJMC-I Decapper for Vacuum Blood Collection Tubes

Summary:

* It would be simpler and more convenient by using the automatic machine to reduce medical staff's labor intensity and improve the work efficiency.
* Effectively avoid being infected by skin scratch when the staff open the cap of cracked glass tube by hand.
* Due to the negative pressure inside the tube, too much force during the cap opening will cause blood spatter. The machine successfully solves the danger of cross infection and avoid the trouble of frequent hand washing.
 * Radically preclude the danger of potential biological contamination caused by residual aerosol inside the tube during manual operation.Meanwhile,it is highly meaningful to bio-safety.

Technical Information:
Model No. KJMC-I
Power Supply/Voltage:AC220V±10% 50/60Hz
Power Rating:45W Open Speed:60pcs/min
Tube Rack:24wells/rack Tube Size:13*75mm, 13*100mm
External Dimension: 420*250*200mm
Tube Size:13*75mm, 13*100mm
External Dimension: 420*250*200mm

Steam Sterilizer
     Bacti-cinerator Sterilizer
Sample Concentration
     Distillation Apparatusator
   Hemoglobinometer
     Hemocyto-meter
     Colony Counter

YXQ.DY.250A-I 25

USE:

Our sterilizer is a table type in safety and auto-controlled, which is designed for the unit of medical health, pharmacy, science and technology etc. And mostly suitable for sterilizing of surgical, dental and eye instruments, glassware medicine, culture medium and biological dressing, food and

Characteristics:

1. Sterilizing course: Automatic sterilizationcontrolled by computer, easy to operate.
2. Maximum temperature: up to 134 Deg.C, suitable for 4-6 minutes flash sterilizing.
3. Safe protection of water lacking.
4. With over-temperature, over-pressure auto-protect device.
5. After sterilization it will automatically cut the power and then alarm.
6. Fully stainless steel structure.

Specification:

MODEL	YXQ.DY.250A-I 25
Sterilizing chamber volume:	25L (φ270 * 410mm)
Maximum working pressure	0.22 MPa
Maximum working temperature	134 Deg.C
Adjustment of temperature:	105 Deg.C ~ 134 Deg.C
Timer	0-60 min
Chamber temperature equal	+/- 1 Deg.C
Source power	1.5KW/AC 220V 50Hz
Sterilizing plate	340*200*30mm (3 piece)
Dimension	560*350 * 500 mm
Exterior package dimension	620*410* 570 mm
N/G. W	18 / 20 Kg

YXQ.DY.250B35/ YXQ.DY.250B50
(fully automatic microcomputer type)

Characteristics:

1. For 4~6 minutes rapidly sterilizing
2. Digital display of working status, touch key
3. With 3 fixed cycles of sterilizing program and adjustable program.
4. The whole process of water adding, temperture rising, sterilizing, drying steam discharging controlled automatically.
5. Steam-water inner circulation system: no steam discharge, and the enviroment for sterilizing will be clean & dry.
6. Exhaust the cool air automatically.
7. Door safety locl system.
8. With four stainless steel sterilizing plates.
9. The chamber of the sterilizer is made of stainless steel.
10. Automatically shut off with beep reminding after sterilization.
11. With drying function.

Specification:

MODEL	YXQ.DY.250B35	YXQ.DY.250B50
Sterilizing chamber volume:	35L (Φ300×500mm)	50L (Φ340×550mm)
Maximum working pressure	0.22 MPa	
Maximum working temperature	134 Deg.C	
Adjustment of temperature:	105 Deg.C ~ 134 Deg.C	
Timer	1-99 min	
Chamber temperature equal	±1 Deg.C	
Source power	2.7KW/AC 220V50Hz	
Sterilzing Plate	400*200*30 mm (4 piece)	500*250*30 mm (4 piece)
Dimension	730*550*510mm	770*600*540mm
package dimension	810*680*650 mm	880*730*700 mm
N/G. W	80 / 95 Kg	93 / 112 Kg

YXQ.DY.250A-III20/25

Characteristics:

1. Indicator light indicates working state
2. For 4~6 minutes rapidly sterilizing
3. Sterilizing temperature and time can be preset.
4. Steam-water inner circulation system: no steam discharge, and the environment for sterilizing will be clean and dry.
5. Over temperature & over pressure auto-protection
6. Safe protection of water lacking
7. Exhaust the cool air automatically
8. With three stainless steel sterilizing plates
9. The chamber of the sterilizer is made of stainless steel
10. Automatically shut off with beep reminding after sterilization

Specification:

MODEL	YXQ.DY.250A-III20	YXQ.DY.250A-III25
Sterilizing chamber volume:	20L (φ250X 420mm)	25L (φ250X 520mm)
Maximum working pressure	0.22 MPa	
Maximum working temperature	134 Deg.C	
Adjustment of temperature:	105 Deg.C ~ 134Deg.C	
Timer	0-60 min	
Chamber temperature equal	±1Deg.C	
Source power	1.5KW/AC 220V 50Hz (AC110V 60Hz)	
sterilizing plate	340*200*30 mm (3piece)	400*200*30 mm (3piece)
Dimension	480*480*384 mm	580*480*384 mm
Package dimension	720*580*500mm	800*580*500mm
N/G. W	40 / 44 kg	45 / 50 kg

YXQ.DY.250A20/25

Characteristics:

1. Indicator light indicates working state
2. For 4~6 minutes rapidly sterilizing
3. Sterilizing temperature and time can be preset.
4. Steam-water inner circulation system: no steam discharge, and the environment for sterilizing will be clean and dry.
5. Over temperature & over pressure auto-protection
6. Exhaust the cool air automatically
7. Door safety lock system
8. With three stainless steel sterilizing plates
9. Fully stainless steel strycture
10 Automatically shut off with beep reminding after sterilization

Specification:

MODEL	YXQ.DY.250A20	YXQ.DY.250A25
Sterilizing chamber volume:	20L (φ250X 420mm)	25L (φ250X 520mm)
Maximum working pressure	0.22 MPa	
Maximum working temperature	134 Deg.C	
Adjustment of temperature:	105 Deg.C ~ 134 Deg.C	
Timer	0-60 min	
Chamber temperature equal	±1 Deg.C	
Source power	1.5KW/AC 220V 50Hz	
sterilizing plate	340*200*30mm (3 piece)	400*200*30mm (3 piece)
Dimension	480*480*384 mm	580*480 *384 mm
package dimension	700*580*500 mm	800*580*500 mm
N/G. W	38 / 43 Kg	44 / 50 Kg

YXQ.DY.250B20/25
fully automatic microcomputer type

Characteristics:

1. For 4~6 minutes rapidly sterilizing

2. Digital display of working status, touch key

3. With 3 fixed cycles of sterilizing program and adjustable program.

4. The whole process of water adding, temperture rising, sterilizing, drying steam discharging controlled automatically.

5. Steam-water inner circulation system: no steam discharge, and the enviroment for sterilizing will be clean & dry.

6. Exhaust the cool air automatically.

7. Door safety locl system.

8. With four stainless steel sterilizing plates.

9. The chamber of the sterilizer is made of stainless steel.

10. Automatically shut off with beep reminding after sterilization.

11. With drying function.

Specification:

MODEL	YXQ.DY.250B20	YXQ.DY.250B25
Sterilizing chamber volume:	20L (Φ250*420mm)	25L (Φ250*520mm)
Maximum working pressure	0.22 Mpa	
Maximum working temperature	134 Deg.C	
Adjustment of temperature:	105 Deg.C ~ 134 Deg.C	
Timer	1-99 min	
Chamber temperature equal	±1 Deg.C	
Source power	1.5KW/AC 220V50Hz	
Sterilizing plate	340*200*30 mm (3 piece)	400*200*30 mm (3 piece)
Dimension	480*480*380mm	580*480*384mm
package dimension	720*580*500mm	800*580*500mm
N/G. W	40 / 43 Kg	45 / 50 Kg

YXQ.DY.250A35/50

Characteristics:

1. Indicator light indicates working state

2. For 4~6 minutes rapidly sterilizing

3. Sterilizing temperature and time can be preset.

4. Steam-water inner circulation system: no steam discharge, and the environment for sterilizing will be clean and dry.

5. Over temperature & over pressure auto-protection

6. Exhaust the cool air automatically

7. Door safety lock system

8. With four stainless steel sterilizing plates

9. The chamber of the sterilizer is made of stainless steel.

10 Automatically shut off with beep reminding after sterilization

Specification:

MODEL	YXQ.DY.250A35	YXQ.DY.250A50
Sterilizing chamber volume:	35L (Φ300*500mm)	50L (Φ340*550mm)
Maximum working pressure	0.22 MPa	
Maximum working temperature	134 Deg.C	
Adjustment of temperature:	105 Deg.C ~ 134 Deg.C	
Timer	0-60 min	
Chamber temperature equal	±1 Deg.C	
Source power	2.7KW/AC 220V50Hz (AC110V 50Hz)	
Sterilizing plate	400*200*30mm (4 piece)	500*250*30mm (4 piece)
Dimension	730*550*510mm	770*600*540mm
Package dimension	820*680*650mm	880*730*700mm
N/G. W	80 / 95 kg	93 / 112 kg

YX-280E
(Automatic microcomputer type)

Characteristics:
1. Fully stainless stell structure.
2. Hand wheel type of quick-open door structure.
3. Digital display of working status, touch type key.
4. Automatically shut off with beep reminding after sterilization.
5. Electric heated.
6. Easy to operate, safe and reliable.

Specification:

Model	YX-280E
sterilizing volume	18L(φ280*260 mm)
working pressure	0.14-0.16 MPa
working temperature:	126 Deg.C
temperature adjust range	105 Deg.C ~ 126 Deg.C
timer range:	0-99min
Max. safety pressure	0.165Mpa
heat average	+/- 1 Deg.C
power / consumption	AC220V.50Hz / 2KW
Transport Dimension	410*410*630mm
G / N. W	14/12 KG

YX-280D

Characteristics:
1. Fully stainless steel structure.
2. Indicator light indicates working state
3. Double scale indication pressure gauge.
4. Timer range: 0~60 min
5. Automatically shut off with beep reminding after sterilization.
6. Electric heated
7. Easy to operate, safe and reliable

Specification:

Model	YX-280D	YX-280D(Deepened)
sterilizing volume	18L(φ280*260 mm)	24L(φ280*390 mm)
working pressure	0.14-0.16 MPa	
working temperature:	126 Deg.C	
temperature adjust range	105-126 Deg.C	
timer range:	0-60min	
Max. safety pressure	0.165Mpa	
heat average	+/- 1 Deg.C	
power / consumption	AC220V.50Hz / 2KW	
Transport Dimension	410*410*520 mm	410*410*630 mm
N / G. W	16/18KG	18/20 KG

YX-280D-NEW

Characteristics:

1. Fully stainless stell structure.
2. Hand wheel type of quick-open door structure.
3. Indicator light indicates working state
4. Double scale indication pressure gauge.
5. Timer range: 0~60 min
6. Automatically shut off with beep reminding after sterilization.
7. Electric heated
8. Easy to operate, safe and reliable

Specification:

Model	YX-280D-NEW	YX-280D-NEW (Deepened)
sterilizing volume	18L(φ280*260 mm)	24L(φ280*390 mm)
working pressure	0.14-0.16 MPa	
working temperature:	126 Deg.C	
temperature adjust range	105 Deg.C ~ 126 Deg.C	
timer range:	0-60min	
Max. safety pressure	0.165Mpa	
heat average	+/- 1 Deg.C	
power / consumption	AC220V.50Hz / 2KW	
Transport Dimension	410*410*630 mm	410*410*750 mm
N / G. W	12/13KG	14/15 KG

YX-280B

Characteristics:

1. Fully stainless stell structure.
2. Electric heated or LPG Heated
3. Double scale indication pressure gauge.
4. Easy to operate, safe and reliable

Specification:

Model	YX-280B	YX-280B(Deepened)
sterilizing volume	18L (φ280*265 mm)	24L (φ280*390 mm)
working pressure	0.14~0.16 MPa	
working temperature:	126 Deg.C	
power / consumption	AC220V.50Hz / 2KW	AC220V.50Hz / 2KW
dimension	400*400*420 mm	400*400*630 mm
N / G. W	14 / 16KG	15 / 17KG

YX-260B

Characteristics:

1. Fully stainless stell structure.
2. Double scale indication pressure gauge.
3. Electric heated or LPG Heated
4. Easy to operate, safe and reliable

Specification:

Model	YX-260B
sterilizing volume	12L(φ240*200 mm)
working pressure	0.14 ~ 0.16 MPa
working temperature:	126 Deg.C
Max. safety pressure	0.165Mpa
power / consumption	AC220V.50Hz / 2KW
dimension	360*360*420 mm
N / G. W	11/12 KG

YX-280

Characteristics:

1. Fully stainless stell structure.
2. Double scale indication pressure gauge.
3. Electric heated
4. Easy to operate, safe and reliable

Specification:

Model	YX-280	YX-280(Deepened)
sterilizing volume	18L(φ280*260 mm)	24L(φ280*390 mm)
working pressure	0.14 ~ 0.16 MPa	
working temperature:	126 Deg.C	
temperature adjust range	105 Deg.C ~ 126 Deg.C	
Max. safety pressure	0.165Mpa	
heat average	+/- 1 Deg.C	
power / consumption	AC220V.50Hz / 2KW	
dimension	410*410*520 mm	410*410*630 mm
N / G. W	16 / 18KG	17 / 19 KG

YX-280B-New

Characteristics:

1. Fully stainless steel structure.
2. Hand wheel type of quick-open door structure
3. Electric or LPG heated
4. Working pressure: 0.14~0.16 Mpa
5. Working temperature: 126 Deg.C
6. Double scale indication pressure gauge.
7. Easy to operate, safe and reliable

Specification:

Model	YX-280B-NEW
sterilizing volume	18L (φ280*260 mm)
working pressure	0.14-0.16 MPa
working temperature:	126 Deg.C
Max. safety pressure	0.165Mpa
power / consumption	AC220V.50Hz / 2KW
dimension	400*400*540 mm
N / G. W	11 / 13 Kg

LS-B35/50/75/100L-II
(Hand Round Fully Automaticly)

Characteristics:

1.Fully stainless steel structure.

2.Hand wheel type of quick-open door structure.

3.Door safety lock system.

4.Automatically controlled by computer.

5.Digital display of working status,touch of key.

6.Over temperature&over pressure auto-protection.

7. Steam-water inner circulation system: No steam discharge, and the environment for sterilizing will be clean and day.

8.Self-inflating type seal.

9.Safe protection of water lacking.

10.Possible to install drying system according request.

11.Automatically shut off with beep reminding after sterilization.

12.With two stainless steel sterilizing baskets.

Specification:

Model	LS-B35L-II	LS-B50L-II	LS-B75L-II	LS-B100L-II
Valid volume	35L(φ318*450mm)	50L(φ340*550mm)	75L(φ400*600mm)	100L(φ440*650mm)
working pressure	0.22MPa			0.14MPa
Working temperature	134δC			126δC
Max working pressure	0.23 Mpa			0.165 Mpa
Heat average	ù 1δC			
Timer	0~99min or 0~99hour			
Adjustment of temperature	0~134δC			0~126δC
Power	2.5KW/AC220V 50Hz	3KW /AC220V 50Hz	4.5KW /AC220V 50Hz	
Overall dimension	600*410*1030(mm)	650*410*1140(mm)	690*470*1140(mm)	730*510*1270(mm)
Transport dimension	730*500*1170(mm)	730*500*1290(mm)	760*550*1290(mm)	820*600*1380(mm)
G/N. W:	96Kg/77Kg	102Kg/ 83Kg	120Kg/98Kg	135/110Kg

LS-B35/50/75/100L-I-Automatic
(Digital Display Automatic Autoclave)

Characteristics:

1.Fully stainless steel structure.

2.Hand wheel type of quick-open door structure.

3.Door safety lock system.

4.Digital display of working status,touch of key.

5. Auto discharge the cool air, and steam discharging automatically after sterilization.

6.Over temperature&over pressure auto-protection.

7.Safe protection of water lacking

8.Self-inflating type seal.

9.Automatically shut off with beep reminding after sterilization

10.With two stainless steel sterilizing baskets

Specification:

Model	LS-B35L-I-Automatic	LS-B50L-I-Automatic	LS-B75L-I-Automatic	LS-B100L-I-Automatic
Valid volume	35L(φ318*450mm)	50L(φ340*550mm)	75L(φ400*600 mm)	100L(φ440*650 mm)
working pressure	0.22MPa			0.14 MPa
Working temperature	134δC			126δC
Max working pressure	0.23 Mpa			0.165 Mpa
Heat average	ù 1δC			
Timer	0~99min or 0~99hour59,in			
Adjustment of temperature	105~134δC		105~126δC	
Power	2.5Kw/AC220V 50Hz	3Kw/AC220V 50Hz	4.5Kw/AC220V 50Hz	
Overall dimension (mm)	450*450*1010	510*470*1130	560*560*1120	540*560*1250
Transport dimension(mm)	570*550*1150	590*590*1280	650*630*1280	630*650*1370
G/N. W:	72Kg/56Kg	88Kg/68Kg	100Kg/ 80Kg	110Kg/ 85Kg

MODEL LS-B120L/150L
(VERTICAL PRESSURE STEAM STERILIZER)

Characteristics:

1. Indicator light indicates working state.
2. Over temperature&over pressure auto-protection.
3. Double scale indication pressure gauge.
4. Safe protection of water lacking.
5. With the below exhaust structure, wich is convenient to exhause the cold air.
6. Automatically shut off with beep reminding after sterilization.
7. Fully stainless steel structure.
8. Easy to operate,safe and reliable.
9. With two stainless steel sterilizing baskets.

Specification:

Model	LS-B120L	LS-B150L
Valid volume	120L(φ480*660mm)	150L(φ510*740mm)
working pressure	0.22MPa	
Working temperature	134δC	
Max. working pressure	0.23 Mpa	
Heat average	ù 1δC	
timer	0~60min	
Adjustment of temperature	105~134δC	
Power	6KW/AC220V 50Hz	
Overall dimension	600*640*1140(mm)	670*690*1130(mm)
Transport dimension	730*730*1270(mm)	760*760*1270(mm)
G/N. W:	125Kg/ 100Kg	135Kg/110Kg

MODEL LS-B35L/50L/75L/100L
(VERTICAL PRESSURE STEAM STERILIZER)

Characteristics:

1. Fully stainless steel structure.
2. Indicator light indicates working state.
3. Over temperature&over pressure auto-protection.
4. Double scale indication pressure gauge.
5. Safe protection of water lacking.
6. Automatically shut off with beep reminding after sterilization.
7. Easy to operate,safe and reliable.
8. With two stainless steel sterilizing baskets.

Specification:

Model	LS-B35L	LS-B50L	LS-B75L	LS-B100L
Valid volume	35L(φ318*450mm)	50L(φ340*550mm)	75L(φ400*600 mm)	100L(φ440*650mm)
working pressure	0.22MPa			
Working temperature	134 Deg.C			
Max working pressure	0.23 Mpa			
Heat average	ù 1δC			
Timer	0~60min			
Adjustment of Temperature	105~134 Deg.C			
Power	2.5KW/AC220V 50Hz(110V, 60HZ option)	3KW /AC220V 50Hz(110V, 60HZ option)	4.5KW /AC220V 50Hz(110V, 60HZ option)	
Overall dimension	480*460*850(mm)	520*520*980(mm)	560*560*980(mm)	590*590*1080(mm)
Transport dimension	570*550*970(mm)	590*590*1110(mm)	650*630*1150(mm)	680*650*1220(mm)
G/N. W:	56Kg/ 42Kg	68Kg/ 50Kg	90Kg/79Kg	105Kg/85K

LS-B35L/50L/75L/100L-Automatic
(Digital Display Automatic Autoclave)

Characteristics:

1.Fully stainless steel structure.

2.Digital display of working status,touch of key.

3.Auto discharge the cool air, and steam discharging automatically after sterilization.

4. Automatically shut off with beep reminding after sterilization.

5. Easy to operate,safe and reliable.

6.With two stainless steel sterilizing baskets.

Specification:

Model technical data	LS-B35L-Automatic (Digital Display)	LS-B50L-Automatic (Digital Display)	LS-B75L-Automatic (Digital Display)	LS-B100L-Automatic (Digital Display)
Valid volume	35L(φ318*450mm)	50L(φ340*550mm)	75L(φ400*600mm)	100L(φ440*650mm)
working pressure	0.22MPa			
Working temperature	134δC			
Max working pressure	0.23 Mpa			
Heat average	ù 1δC			
Timer	0~99min or 0~99hour			
Adjustment of temperature	105~134δC			
Power	2.5Kw/AC220V 50Hz	3Kw /AC220V 50Hz	4.5KW AC220V 50Hz	
Overall Dimension (mm)	480*460*850	520*520*980	560*560*980	590*590*1080
Transport Dimension (mm)	570*550*970	590*590*1110	650*630*1150	680*650*1220
G/N. W:	56Kg/ 42Kg	68Kg/50Kg	90Kg/70Kg	105Kg/85Kg

LS-B35/50/75/100L-I
(Hand Round Automatic Autoclave)

cteristics:

y stainless steel structure.

d wheel type of quick-open door structure.

sure safety lock.

ator light indicates working state.

temperature&over pressure auto-protection.

le scale indication pressure gauge.

inflating type seal.

protection of water lacking.

matically shut off with beep reminding after sterilization.

y to operate , safe and reliable.

h two stainless steel sterilizing baskets.

Specification:

Model	LS-B35L-I	LS-B50L-I	LS-B75L-I	LS-B100L-I
Valid volume	35L(φ318*450mm)	50L(φ340*550mm)	75L(φ400*600mm)	100L(φ440*650mm)
working pressure	0.22MPa			0.14MPa
Working temperature	134 Deg.C			126 Deg.C
Max working pressure	0.23 Mpa			0.165MPa
Heat average	ù 1 Deg.C			
Timer	0~60min			
Adjustment of temperature	105~134Deg.C			105~126Deg.C
Power	2.5Kw/AC220V.50Hz	3Kw /AC220V 50Hz	4.5KW /AC220V 50Hz	
Overall Dimension(mm)	450*450*1010	510*470*1130	560*560*1120	540*560*1250
Transport dimension	570*550*1150	590*580*1280	650*630*1280	680*630*1370
G/N. W:	72Kg/56Kg	88Kg/ 68Kg	100Kg/80Kg	110Kg/85Kg

Hand wheel Stainless Steel Vertical Presure Steam Sterilizer

Feature:

1. Hand Wheel structure
2. Automatic Control of sterilization cycle program.
3. Digital window displays the status of work.
4. Temperature can be set 50 Deg.C~126°C
5. Arbitrary time 0~99 Hours
6. Vent Excess pressure from the 0.145~0.165 Mpa
7. The end of steam sterilization without efflux phenomenon
8. Sterilization automatically shut down after the end of buzzer to remind
9. Steam-water inner circulation system: No steam discharge, and the environment for sterilizing will be clean and dry.(It is optioanl function for LDZX-50KBS and LDZX-75KBS)

Spec:

	Model		
	LDZX-30KBS	LDZX-50KBS	LDZX-75KBS
Volume	30L	50L	75L
Power Supply	220V		
Power	3.0KW	3.5KW	3.5KW
Sterilization chamber Size (mm)	≌350*330	Φ350*520	Φ370*650
Sterilize temperature	50~126°C		
Sterilize time range	0~99 Hours		
Gross weight	65Kg	105Kg	98Kg

Intelligent Stainless Steel Vertical Presure Steam Sterilizer

Feature:
1. LCD display.
2. Whole stainless steel structure.
3. Intelligent automatic control procedure for sterilization cycle.
4. One key set temperature and time.
5. Over pressure release at 0.217 Mpa
6. Ratary door open structure
7. Safery interlock.
8. Safe protection of water lacking
9. Automatic shutdown with beep reminding after sterilization
10. steam-water inner circulation system: No steam dischaerge. (Optioanl)
11. Vacuum drying system (Optional)
12. Printing funtion (Optioanl)

Spec:

	Model		
	LDZX-40KCS	LDZX-60KCS	LDZX-80KCS
Volume	40L	60L	80L
Power Supply	220V		
Power	3.5KW	3.5KW	3.5KW
Sterilization chamber Size (mm)	≌370*380	Φ370*560	Φ370*750
Sterilize temperature	50~134°C		
Sterilize time range	0~99 Hours		
Gross weight	95Kg	105Kg	120Kg

WS-280YDC WS-200YDC WS-150YDC

Characteristics:

1. Sterilizing course automatic sterilization controlled, easy to operate.

2. With drying function, suitable dressing drying.

3. With over-temperture, over-pressure auto-protect device.

4. The door opening mechanism cannot be operated untill the pressure in the chamber is reduced to 0.027Mpa. It can't be trun on if the door dosen't closed well.

5. The safety value will be open automatically when the inner pressure over 0.24MPa, and the steam be exhausting to the water tank.

6. The power will be cut-off automatically, cut-off the water and alarm when the machine lacking water.

7. The chamber of the sterilizer is made of stainless stell.

Specification:

Model	WS-400YDC	WS-280YDC	WS-200YDC	WS-150YDC
Sterilizing chamber volume	400L(φ700*1100mm)	280L(φ600*1000mm)	200L(φ515*1000mm)	150L(φ440*1000mm)
working pressure	0.22 MPa			
working temperature	134 Deg.C			
Adjustment of temperature	40 Deg.C ~134 Deg.C			
Time of sterilization	0-60 min			
Time of drying	0-60 min			
Heat average	+/- 2 Deg.C			
Power	18KW/380V 50Hz	12KW/380V 50Hz	9KW/380V 50Hz	9KW/380V 50Hz
Dimension (mm)	1430*880*1830	1400*770*1780	1400*670*1650	1400*600*1300
Transport Dimension (mm)	1600*1050*2100	1680*920*2100	1560*820*1850	1550*750*1850
G/N.W:	530/420Kg	465/365Kg	350/260Kg	320/240Kg

WS-280YDB WS-200YDB WS-150YDB

Characteristics:

1. Sterilizing course automatic sterilization controlled by computer, easy to operate.

2. With drying function, suitable dressing drying.

3. With over-temperature, over-pressure auto-protect device.

4. The door opening mechanism cannot be operated until the pressure in the chamber is reduced to 0.027MPa. It can't be start on if the doesn't closed well.

5. The safety value will be open automatically when the inner pressure over 0.24MPa, and the steam be exhausting to the water tank.

6. The power will be cut-off automatically, cut-off the water and alarm when the machine lacking water.

7. The chamber of the sterilizer is made of stainless steel.

8. With printer.

Specification:

Model	WS-280YDB	WS-200YDB	WS-150YDB
Sterilizing chamber volume	280L(φ600*1000mm)	200L(φ515*1000mm)	150L(φ440*1000mm)
Working pressure	0.22 MPa		
Working temperature	134 Deg.C		
Adjustment of temperature	40 Deg.C ~ 134 Deg.C		
Time of sterilization	0-99 min		
Time of drying	0-99 min		
Heat average	+/- 2 Deg.C		
Power	12KW/380V 50Hz	9KW/380V 50Hz	9KW/380V 50Hz
Dimension (mm)	1520*910*1900	1400*750*1700	1400*650*1600
Transport Dimension (mm)	1680*1080*2100	1560*910*1880	1560*820*1820
G/N.W:	570/462Kg	436/350Kg	430/340Kg

Steam Sterilizer

WS-280YDA WS-200YDA WS-150YDA

Characteristics:

1. Sterilizing course automatic sterilization controlled, easy to operate.
2. With drying function, suitable dressing drying.
3. With over-temperture, over pressure auto-protect device.
4. The door openning mechanism cannot be opertated until the pressure in the chamber is reduced to 0.027MPA. It can't be start if the door doesn't close well.
5. The safety valve will be open automatically when the inner pressure over 0.24MPa, and the steam be exhauseing to the water tank.
6. The power will be cut-off automatically, cut-off the water and alarm when the machine lacking water.
7. The chamber of the sterilizer is made of stainless steel.

Specification:

Model	WS-150YDA	WS-200YDA	WS-280YDA	WS-400YDA	WS-500YDA
Sterilizing Chamber volume	150L(φ440*1000mm)	200L(φ515*1000mm)	280L(φ600*1000mm)	400L(φ700*1100mm)	500L(φ700*1300mm)
working pressure	0.22 MPa				
working temperature	134 Deg.C				
Adjustment of temperature	40 Deg.C ~ 134 Deg.C				
Time of sterilization	0-60 min				
Time of drying	0-60 min				
Heat average	+/- 2 Deg.C				
Power	9KW/380V 50Hz	9KW/380V 50Hz	12KW/380V 50Hz	18KW/380V 50Hz	18KW/380V 50Hz
Dimension (mm)	1400*600*1300	1400*670*1650	1400*770*1780	1430*880*1830	1800*900*1820
Transport Dimension (mm)	1550*750*1850	1560*820*1850	1680*920*2100	1600*1050*2100	1850*1050*2100
G/N.W:	320/240Kg	350/260Kg	465/365Kg	530/420Kg	580/470Kg

YA Stainless Steel Distilled (Tower Type)

Condensation of the steam with heat exchanger is the most reliable way to get high quality distilled water at present. The stainless distills produced in our factory is new production. The product is with reasonable structure, easy and safety operation. Console in made from high temperature plastics, can't scale hands, control part is made of split-flow water structure. The product series are made of high grade stainless steel, the water to medical, pharmaceutical, scientific research, chemical engineering as well as food industry, and they are ideal equipment for high quality distilled water.

Feature:
1. Full stainless steel 304.
2. Double directions regulate pressure valve.
3. With branching control inside.
4. Operating easy and relaible.
5. Light indicate the work status

Spec:.

Model	Producing Capacity	Power Source	Consumed power	Weight
YA.ZD-5	5L/H	220V(single Phase)	4.5KW	9Kg
YA.ZD-10	10L/H	380V (3 Phase)	7.5KW	10Kg
YA.ZD-20	20L/H	380V (3 Phase)	15KW	10Kg

10-13

TS series Electric Stainless Steel Distilled Water Equipment (hanging type)

General: This device can be mounted on wall, and producing the distil water in lower cost, continuously, automatically and effectively. Operation: The tap water enters the bottom of the condense pipe and circle along with the pipe and enters the vaporize pan in the end, the height of the overflow be pre-set. The steam in the pipe go down and meat the water go up, thus to make the gas in it.

The steam produced in vaporize pan reached the condense pipe through guide plate. The guide plate be installed as can change direction three times before the steam enters the condense pipe. This way can protection of bring tap water in the distil water, the tap water bring in the distil water is the main cause of chemical of distil water worse. If the working is normal, it can get the water of fyrogen-free. The vaporize, condense, overflow and guide plate inner are made in stainless steel. And the cover outside and the cover of guide plate are made in heat-resistant borosilicate glass, all the electric elements with safety cut off switch.

The unit construction by Vaporize pan, cooling pipe, condense pipe, overflow and guide plate inner etc.

Principle: Filling water~Heating~Vapor~Condense~Distil water

Specifications:

Model:	TS-3.5~4.5L/h
Water output:	2.5-3.5 liter/hour
Outer measurement:	74*35*15cm
Weight:	8kgs
Capacity of pan	5.5 Liter
PH	5~6
Power	3000W/AC220V~240V

J-2 Colony Counter

This Colony Counter is a semi-automatic digital displayer for counting the germs, which consists of counter, sensor, counting cell etc. The counter is made of CMOS integrated electric. In the black longitudinal background counting cell, a circular fluorescent lamp is used for side lighting, which can give a clear colony comparing. The monitor is designed as three-figure number according to the requirement for bacterial counting SOP. When the colony in one culture plate is over 300, dilute the sample and redo the operation in order to ensure the accuracy of the counting. This instrument can reduce the labour of the operator, enhance the efficiency and working quality, which can be widely used in the field of foodstuff, beverage, drugs, biological products, sanitary utilities, drinking water, industrial waste water and clinical sample. It is a necessary instrument for all levels of health and epidemic prevention stations, environmental monitoring stations, food sanitary supervision organizations, hospitals biological products manufacturers, medicine inspection stations, foodstuff companies, chemical industry, institutions, and research centres.

Capacity of the Counter:	0~999
Power consumption of lamp:	16w
Total power consumption:	<20w
Voltage :	AC220v±10% , 50/60Hz
Volume:	268*225*90 mm
Weight:	1.5kg
Packing Quantity	8 sets/package
Packing Measurement:	45 * 35 * 36

DKZ-1 Quartz Clock

The DKZ-1 QUARTZ CLOCK is composed of magnified circuit, voltage regulator circuit, music integrated circuit and chronopher. It can predict every minute of an hour to the time setter and also can be used as the common clock with the charcters of accuracy, reliability, good out-looking and lightness, which is applicalbe to the reserch, medical and chemical purposes.

Operation Instructions:

1. When use the AC power, plug in AC220V, trun on the switch for working

2. When comparing the time, open the rear cover, pull out the switch, and turn the switch for minute comparing. Loosing the switch and return the normal working.

3. When timing, inser the timning pin in any one of 60 holes on the panel. When the minute hand touch the timing pin, the beatifule music comes out. (For exaple, when the minute hand is at 60th point, insert the pin in the 10th point, as soon as the minute hand reach 10 point, alarming occurring). There are 12 pins totally for 12 timing points. After the opertation finished, please put the pins in the down left.

Working temperture: -10 degree.C ~ 50 Deg.C

Relative humidity: <80%

Power supply: AC220V

Accuracy: Daily tolerance <3 seconds

Timing Points: 60(Minimum one minute)

Music alarm: 20+/-5 seconds continuously

J-3 Colonometere

Summarize: The Bacterial colony counter is a digital displayer for counting the germs, it is made of counter, pen, counting cell. The counter is made of CMOS integrated electric, LED Nixie tube. The word high is 15mm (6"), it is clear and brightness, work in private use pen, it is sensitive andaccurate, there are two kinds of light source, and it is adjustable.

There are lights in the counting cell, it is clear of colony parallel. It is Convenient to observe. Could be adjusted by pressing "-"or "+". There is alarm to ensure counting correct. The number is 0-999. If need to restart, could press "reset" key. The magnifier can be adjusted to suitable position with flexible arm. The magnification is up to 3X. This equipment could less the experimenter's labor intensity, increase the efficiency and quality. It is widely used for bacilli inspection of food, drink, medicine, biological,make-up, health products, Water for drink, domestic sewage,and industrial water. It is the required equipment of allkinds' health station, environmental monitoring centre, food hygiene, testing centre, hospital, Institute of biological products, laboratory for the control of drugs, Commodity Inspection bureau, the made-up factory, the laboratory of university and scientific research institutions.

Technology parameter:
The volume of LED: 0-999
The height of the word: 15mm (6")
Light power:12W(Min.) 28W(Max.)
Total power<50W
Colony center diameter: ø155mm
Suitable Petri Dishes: ø50-ø150mm
Dimension: 360*300*180mm Weight: 4.3KG

Have the function of counting in bidirectional Caxial lighting,3 times enlargement, 9 times enlargement.

The way to use: Connect the pen to the equipment, turn on the switch, and put the Petri dish on the white panel. Use the pen to count the colony on the surface of Petri dishes. There is color where have been counted, and if there is buzzer, it shows the counting is effective. The number on the display screen would be added automatic, check carefully with the magnifier, confirm all the dots have been counted. (If there is any miss, could use the key press of manual to count, LED show the quantity. After finishing counting, record the quantity on the paper, then recount again, compare with the number with the first time, if the quantity is same, the result would be more accurate,. Get out the Petri dishes, after recording, press "restart", the screen would be back to initial status.

Bacti-cinerator Sterilizer

The Bacti-Cinerator sterilizer sterilizes microorganisms utilizing infrared heat produced by a ceramic core element. The ceramic element contains no asbestos and ensures maximum sterility without splatter across the work surface area. Complete sterilization occurs within 5-7 seconds at optimum sterilizing temperature of 1500°F(815.6°C). The small footprint makes the Bacti-Cinerator sterilizer an ideal instrument for anaerobic and aerobic chambers alike.

Type	HM-3000A	HM-3000C
Central High-temperature (Deg.C)	825±50	
Max-diameter Of Sterilizer Goods	Dia.14mm	Dia.35mm
Length Of Sterilizer	150mm	100mm
Dimension(mm)	150*102*180	162*98*192
Power	170W	195W
Wetght	1.3kg	1.4Kg

HM-3000A   HM-3000C

HN200 Sample Concentrator

Product Introduction:

Hn200 Sample Concentrator is mainly used in the concentration of samples in batches, such as drug screening, hormone analysis, liquid/gas phase, as well as mass spectrum analysis.

   Working Principle:

 * Blowing the nitrogen into the surface of the heated samples, so that the dissolvent in the samples can be evaporated and separated quickly, which comes up to the oxygen-free concentration and keeps the higher pureness of samples. * The use of sample concentration instead of the commonly used rotary evaporimeter for concentration, can have simultaneous concentration of dozens of samples, which makes the sample preparation time greatly shortened, and has the advantages of time-saving, easy operation and fast.

Spec:

Temperature range	Room temperature +5~180°C
Heating time	≤30min (From 40°C to 180°C)
Temperature accuracy	±0.5°C (40-100°C)
	±1°C (100~180°C)
Display accuracy	0.1
Display mode	LED display
Nitrogen flow	0-10L/min
Nitrogen pressure	≤0.1MPa
Dimensions	280mm*240mm*500mm

Sample Concentration-MD200

The instrument consists of a base and stand assembly, sample holder and gas distribution system. Test tubes are held in a block. The gas at 5 to 10 psig passes through the distribution manifold. Depending on the test-tube size and solvent volume they can be individually raised or lowered to the correct height. Needles or glass pipets blow gas onto the surface of the solution resulting in rapid evaporation of the solvent.

Specifications:

Type	MD200-1	MD200-1A	MD200-2
Temp.Control Range	RT.+5°C~150°C		
Homegeneity Control Discrepancy	1min~99h59min		
Display Accuracy	±0.1 Deg.C LED Display		
Temp.Control Discrpancy @40~100°C	±0.5 Deg.C		
Temp.Control Discrpancy @40~150°C	±1 Deg.C		
Display Accuracy	0.1 Deg.C		
Heating Time 40~150 Deg.C	< 30min		
Standard Blocks	1	1	2
Nitrogen Consumption	0-10L/min	0-10L/min	0-10L/min
Dimension L*W*H mm	280*240*110	280*240*110	280*240*110
Needles Length	150mm	80mm	150mm

Blocks for MD200 (Option)

Type	Parameter	Capacity	Dimension(mm)
BK01	Ø6mm	49	96*96*49
BK02	Ø7mm	49	96*96*49
BK03	Ø10mm	25	96*96*49
BK04	Ø12mm	25	96*96*49
BK05	Ø13mm	25	96*96*49
BK06	Ø15mm	12	96*96*49
BK07	Ø15mm	16	96*96*49
BK08	Ø16mm	12	96*96*49
BK09	Ø16mm	16	96*96*49
BK10	Ø19mm	12	96*96*49
BK11	Ø19mm	16	96*96*49
BK12	Ø20mm	9	96*96*49
BK13	Ø26mm	9	96*96*49
BK14	Ø28mm	4	96*96*49
BK15	Ø40mm	4	96*96*49
BK16	0.5ml Tubes	49	96*96*49
BK17	1.5ml Tubes	25	96*96*49
BK18	2.0ml Tubes	25	96*96*49
BK19*	0.2ml Tubes	96	78*114*26
BK20*	0.2ml microplate	96 Wells Microplate	81*123*19

   80mm Needles

   150mm Needles

   Flow Control Valve

   * BK19, BK20 are used in the MD200-1A

MD200-1

MD200-2

MD200-1A

Flow Valve

Sample Concentration-KD200

Features:

* High precision and wide range of temp control
* Blowing a large number of samples at on time
* Blowing each sample independently
* Amount of airflow can be adjusted
* Easy operation; Safe and reliable to use
* Low Nitrogen consumption of 330ml/min/sample

Spec:

Temp.Range	RT +5~150 Deg.C
Temperature Control discrepancy	<1 Deg.C (RT +5~100 Deg.C)
	<1.5 Deg.C (100 ~ 150 Deg.C)
Time Required for Temp to increase from 40 ~ 150 Deg.C	<30 Min
Maximum Input Power	400W
Temp. Control Discrepancy	<0.1 Deg.C
Dimensions	280*240*500mm
Net Weight	7 Kg
Needles Lengh	150 mm

Blocks for KD200

Type	Parameter	Capacity	Dimension
BD01	Ø10 mm	12	192*96*49
BD02	Ø12 mm	12	192*96*49
BD03	Ø13 mm	12	192*96*49
BD04	Ø15 mm	12	192*96*49
BD05	Ø16 mm	12	192*96*49
BD06	Ø19 mm	12	192*96*49
BD07	Ø20 mm	12	192*96*49

Sample Concentration-WD-12

The instrument consists of base and stand assembly, sample holder and gas distribution system. Test tube is held in place by a spring-loaded sample holder and support tray. Each position is numbered. The gas passes through an adjustable flow meter to the distribution manifold. Flexible tubing leads to value-tube assemblies at each position. Depending on the test-tube size and solvent volume they can be individually raised or lowered to the correct height. Needles blow gas onto the surface of solution resulting in rapid evaporation of the solvent. All material used are laboratory quality and can withstand contact with organic solvents.
The round, stainless steel water bath is thermostatically controlled and will accurately maintain water temperature from ambient temperature to 99 Deg.C

Spec:

* LED Display, 12 positions
* Compact size takes minimal hood space
* Water bath provides gentle heating
* Circular stand turns so each sample is accessible from the front
* Accommodates samples in test tubes 10 to 29 mm diameter, volumes from 1 ml to 50 ml
* A gas flow meter with value, control and indicates gas consumption
* A needle value adjusts gas flow at each position
* Stainless steel 150mm- gauge needles standard
* All metal parts are made of stainless steel, nickel chromed brass or anodized alumimum
* Plastic parts are laboratory grade and will withstand contact with commom organic solvents
* Temperature setting range: RT~99 Deg.C
* Temperature control accuracy: ù 1ðC

Manual head space sampler-HS600

Headspace analysis has generally been limited to costly automated systems — until now! This mar sampler enables to utilise the headspace technique in a quantitative, economical and precise manner.Analyse up to six samples at a time using all popular vial sizes, from 2-27ml.

Feature:

1. Volatiles in pharmaceuticals
2. Flavours analysis
3. Alcohol and other toxic compounds in blood
4. Screening of volatiles in all type of environmental samples e.g. Soils, waters, plastics, polymers, e

Spec:

1. Heating temperature range	RT +5 ~ 150 Deg.C
2. Variable injection	Up to 2.5ml
3. Temperature Accuracy	+/- 0.5 Deg.C
4. Holds up to 6 vials of	2, 10, 20ml
5. Stabilization time from 25°C to 70°C with 1ml syringe and 6 empty 20ml vials:	8minutes

No.1　　　No.2　　　NO.3　　　No.4　　　No.5

WJX-1 Hemoglobinometer

Automatic Electric Hemoglobin-Meter is a latest generation clinical testing instrument adopted microcomputer, and high intelligence system. It upgrades the single function,
simulative hemoglobin meter. This instrument is especially suitable for the hospitals, laboratories, health care organizations and medical universities.
The instrument uses the reliable semiconductor photoelectric colori-metry system, and specially designed electrical circle as well as computer measuring system, which can test and show the hemoglobin value in the blood sample.
The panel is made of the waterproof film with the soft touching keys, making the operation more reliable, more comfortable, pretty out shape and never wearing out.
And surface can also be sterilized.

Measuring Range	0-240g/L
Tolerance	≤2%
Linear Range	≤5% FS
Dilution Ratio	1:251
Testing Time	≤4S (maximum absorption)
Stability	≤1g/L/h (25±10℃)
Continuous Working time	≥10 hours
Standard setting	0~240g/L adjustable (whole number times of ten)
Sample Absorption	1~9ml, ten grades adjustable
Packing Quantity	4sets/package
Packing Measurement:	54 * 31 * 33

JSQA Hemocyto-meter

Hemocytometer is a microcomputer calculator integrated with counting, analysis and monitoring with ten groups, two's place and ten carries.
The number is calculated with ten keys and showing ten groups of numbers and totals at the same time. Press "%" button, the device will display all group data integer digit, press again will display all group data decimal digit(the light is on). It is of accuracy, functional stability, good out shape, convenient for use and clinical fit, showing the primary bacterial infection or virus infection. Especially fits for the small and middle size hospitals.

Instruction:

1. Prepare with connected the electricity , turn on the power and"0"is showed on the monitor , then push the "Reset" key, clearing all the data to
2. Then, the instrument will show normal eight data with their eight keys correspondently such as Basophilic(BASO) , eosinophilic(EOSIN) , MYELO , JUVEN , Neutrophilic stab granulocyte(STAB), Neutrophilic segmented granulocyte (SEG), lymphocyte(LYMPH) and Monocyte (MONO). If you want to count any data, please push the relative key.
3. The others out of the above-mentioned data, customer can define it by himself with the "9"and "10" key.
4. Each key will sounds "toot" meaning the counting is available and adding "1" in the corresponding calculator while the "Σ" meaning adding "1" for total. If no "toot" is heard, the counting is not working.
5. When the simplex is full will display "99", will hear a longer time "toot", stop accumulated , other key will go on accumulating, when the total is accumulated to "990" , the counting of this operation is full. As soon as you hear a longer time "toot", the counting is not working.
6. While you want to finish this operation, please push the key "%" , after hearing the "toot" ,the computer will change the values into percentage on the monitor the total does not change.. If you want to get a more accurate value, push "%" again, it will show the percentage to decimal. (the light is on), (only when the single channel is accumulated, push
"%" key showing "-" , it means the total calculator showing the single channel value and percentage is 100%.)
7. When the operation is finished, please push "Reset" key, the ten groups and "Σ"return to "0" , then you can start another calculation.

Specification:

Maximum count category :	ten groups
Count capacity of every group:	0~99
Total count capacity:	0~990
Power:	AC220V±10%, 50/60Hz
Power consumption:	5W
Packing quantity:	12 sets/package
Packing measurement:	74*35*46

Packing quantity:	12 sets/package
Packing measurement:	74*35*46

Pipette

Pipette

Number Reading Variable Volume Pipette

Volume can be locked

Chemical Resistance

121 C resistance in sterilizing

Number Reading Variable Volume Pipette				
NO	Desc.	Vol. Rang	Accuracy	Repeatability
K-101	P2	0.1-2ul	±12.0-1.5%	≤6.00-0.70%
K-102	P10	1-10ul	±2.5-1.0%	≤1.5-0.40%
K-103	P20	2-20ul	±2.5-1.0%	≤1.50-0.30%
K-104	P50	5-50ul	±2.0-1.0%	≤1.50-0.25%
K-105	P100	10-100ul	±1.8-0.8%	≤0.50-0.15%
K-106	P200	20-200ul	±1.0-0.8%	≤0.50-0.15%
K-107	P1000	100-1000ul	±1.5-0.8%	≤0.30-0.15%
K-108	P5000	1000-5000ul	±1.2-0.6%	≤0.30-0.15%
K-109	P10ml	1-10ml	±2.5-0.6%	≤0.30-0.15%

Number Reading Variable Volume Pipette

Easiness reading

Comfortable Holding

Nicety reliable

Variable Volume Pipette (Half assemble Autoclavable, No volume lock)				
Order No.	Desc.	Vol. Rang	Accuracy	Repeatability
K-201	H2	0.2-2ul	±15.0-2.0%	≤10-1.00%
K-202	H10	1-10ul	±4.0-1.2%	≤2.00-0.70%
K-203	H20	2-20ul	±3.0-1.0%	≤2.00-0.60%
K-204	H50	5-50ul	±2.0-1.0%	≤1.5-0.50%
K-205	H100	10-100ul	±2.0-1.2%	≤0.80-0.40%
K-206	H200	20-200ul	±2 .0-1.0%	≤1.00-0.40%
K-207	H1000	100-1000ul	±1.5-1.0%	≤0.6-0.30%
K-208	H5000	1000-5000ul	±1.5-0.8%	≤0.06-0.30%
K-209	H10ml	1-10ml	±4.0-0.8%	≤1.00-0.30%

Fixed Volume Pipette

Lower Price

Nicety Reliable

Operation Easily

Fixed Volume Pipette				
NO	Desp.	Vol. Rang	Accuacy	Repeatability
K-301	G5	5ul	± 2.0%	≤0.80%
K-302	G10	10ul	± 1.0%	≤0.50%
K-303	G20	20ul	± 1.0%	≤0.30%
K-304	G25	25ul	± 1.0%	≤0.30%
K-305	G50	50ul	± 0.80%	≤0.30%
K-306	G100	100ul	± 0.80%	≤0.25%
K-307	G200	200ul	± 0.80%	≤0.15%
K-308	G500	500ul	± 0.80%	≤0.20%
K-309	G1000	1000ul	± 0.80%	≤0.15%

Squeeze the suction bellows to bring vacuum, and create power to aspirate the liquid

When outflow holds up in meniscus, press down to blow-out remains of liquid in pipette

Filling and discharging are controlled by pipetting lever

Silicone Nose Cone adapter suitable for various pepettes in the market
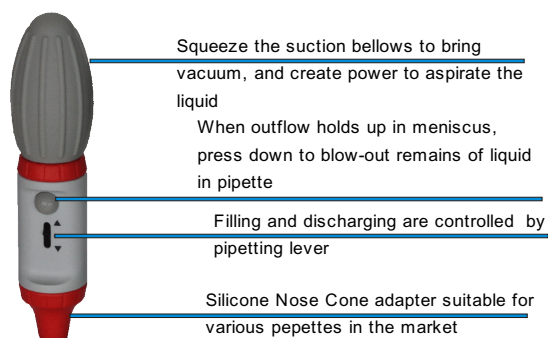
Model	Color	Pcs/Carton	G.W	Carton Dimension
L-2090	Grey			
L-2091	Blue			
L-2092	Red	100	15Kgs	45*30*59cm
L-2093	Green			
L-2094	Yellow			

* Suitable for 0.1ml~100ml large range liquid operation
* Once Charge up, continuous working for 8 hours

Model	Pcs/Carton	G.W	Carton Dimension
L-2095	10	6Kg	49.5*25.5*29cm

Number-Channel Pipette

Recommended to use

Microplate Analysis

Molecule Filtration

DNA expansion

Number-Channel Pipette				
NO	Desp.	Vol. Rang	Accuacy	Repeatability
L-2025	P8 *20	2-20ul	± 6.0-1.5%	≤2.5-0.40%
L-2026	P8*200	20-200ul	± 2.5-1.0%	≤1.25-0.50%
L-2027	P12*20	2-20ul	± 6.0-1.5%	≤2.5-0.40%
L-2028	P12*200	20-200ul	± 2.5-1.0%	≤1.25-0.50%
Remark	QNTY/Pcs		10	
	MEAS.(cm)		69x32x23	
	G.W.(kg)		12	

Pipette			
NO	Desc.	QNTY	MEAS.(cm)
L-2069	2ml	100Pcs	37*19*29
L-2070	10ml	100Pcs	
L-2071	25ml	100Pcs	47*22*36

Pipette Tips					
NO	Description	Volume Rang	QNTY	G.W	MEAS. /Carton(cm)
L-2029	P10	0.1-10µl	30000pcs	6.2kg	33*23*30
L-2030	P200	2-200µl	20000pcs	6.4kg	36*23*30
L-2031	P1000	100-1000µl	10000pcs	8kg	41*31*37
L-2032	P5000	1000-5000µl	2000pcs	8kg	41*31*37
L-2033	P10ml	1-10ml	1500pcs	9kg	41*31*37

Tips Box/Reagent Slot				
NO	Description	QNTY	G.W	MEAS./Carton(cm)
L-2034	96hole*10ul	100pcs	9kg	47*44*27
L-2035	96hole*200ul	100pcs	9.5kg	47*44*34
L-2036	100hole*1000ul	100pcs	15kg	57*54*51
L-2037	50ml	300pcs	10kg	45*36*35

Pipette Rack				
NO	Description	QNTY	G.W	MEAS./Carton(cm)
L-2039	HW-8	8pcs	7kg	40*40*40

Culture Plate				
NO	Description	Qnty /Carton	G.W /Carton	MEAS. /Carton(cm)
L-2057	96Holes U Model	100pcs	4kg	28*28*25
L-2058	96UModel 8 holes*12	100pcs	4kg	28*28*25
L-2059	96 Holes V Model	100pcs	4kg	28*28*25

Culture				
NO	Description	Qnty /Carton	G.W/Carton	MEAS./Carton (cm)
L-2061	96 Holes Flat Bottom	100pcs	4kg	28*28*25
L-2062	8Holes*12 Flat Bottom	100pcs	4kg	28*28*25
L-2063	8Holes*12 Flat Bottom can breakaway	100pcs	4kg	28*28*25

Reagent Bottle				
NO	Description	Qnty/Carton	G.W/Carton	MEAS./Carton (cm)
L-2064	10ml	1000pcs	12kg	45*36*36

Pump

Biological Safety Cabinet

Laminar Airflow Cabinet

Fume hood

Ultrasonic Cleaner

Diaphragm Vacuum Pump

"JT" Series Of Diaphragm Vacuum Pumps Include The Following Six Models: GM-0.20, GM-0.33II, GM-0.33iii, GM-50, GM-0.50ii, And GM-100. This Series Of Products Have The Features Of More Advanced Design, Wider Working Range, Longer Operating Life And They Are Mainly Used In Medicinal Products Analysis, Tenuously Chemical Engineering, Biochemical Pharmacy, Mechanical Test, Teaching And Scientific Research, Investigating And Solving Criminal Case, Etc. They Are Also The Ideal Products To Be Used With Both Domestic And Overseas Sophisticated Analytical Apparatus Together, Such As High-Accuracy Chromatogram Apparatus And Revolve To Evaporate Instrument. And It Is The Essential Equipment In The Laboratory. In Addition, Our Products Still Have Solvent Filter And Needle-Shaped Membrane Filter And Microporous Membrane Filter, Etc.

Diaphragm Vacuum Pump Has Features Of More Advanced Design, Higher Efficiency, Longer Operating Life.

The Body Of Gm-0.33iii Diaphragm Vacuum Pump Is Made Of Aluminum Alloy Through Die Casting. It Is Antiseptic, Sprayed, Agile And Beautiful. It Has The Features Of Higher Antisepsis, Wider Working Range. It Can Meet Requirements Of All Kinds Of Working Environments.

GM-0.5

Speed Of Evacuation (L/Min)	30	Pump Head	1
Ultimate Pressure Vacuum	≥0.08Mpa 200mbar	Voltage Rating	230vac, 50hz
Pressure	>30 PSI	Noise Level(Db)	<50
Dimensions (L*W*H)	210*160*235mm	Temp Of The Body(°C)	<55
Motor Power(W)	160	Weight (Kg)	8
Inlet (Mm)	Φ6	Diaphragm	Nbr
Outlet (Mm)	Φ6	Function	Vacuum & Pressure
Working Temp(°C)	7-40		

GM-0.2

GM-0.5II

Speed Of Evacuation (L/Min)	30	Pump Head	2
Ultimate Pressure Vacuum	≥0.095Mpa 50mbar	Voltage Rating	230vac, 50hz
Dimensions (L*W*H)	300*120*235mm	Temp Of The Body(°C)	<55
Motor Power(W)	160	Weight (Kg)	10
Inlet (Mm)	Φ6	Diaphragm	Nbr
Outlet (Mm)	Silencer	Noise Level(Db)	<50
Working Temp(°C)	7-40		

GM-1.00

Speed Of Evacuation (L/Min)	60	Pump Head	2
Ultimate Pressure Vacuum	≥0.08Mpa 200mbar	Voltage Rating	230vac, 50hz
Pressure	>30 PSI	Noise Level(Db)	<50
Dimensions (L*W*H)	300*160*235mm	Temp Of The Body(°C)	<55
Motor Power(W)	160	Weight (Kg)	10
Inlet (Mm)	Φ6	Function	Vacuum & Pressure
Outlet (Mm)	Φ6	Working Temp(°C)	7-40

GM-0.5

GM-0.2

Speed Of Evacuation (L/Min)	15	Temp Of The Body(°C)	<55
Ultimate Pressure Vacuum	≥0.075Mpa 250mbar	Dimensions (L*W*H)	195*98*156mm
Pressure	>30 PSI	Noise Level(Db)	<50
Inlet (Mm)	Φ6	Weight (Kg)	10
Outlet (Mm)	Φ6	Pump Head	Nylon
Motor Power(W)	75	Function	Vacuum & Pressure
Working Temp(°C)	7-40		

GM-0.33II

Speed Of Evacuation (L/Min)	20	Pump Head	1
Ultimate Pressure Vacuum	≥0.08Mpa 200mbar	Voltage Rating	230vac, 50hz
Dimensions (L*W*H)	215*120*235mm	Temp Of The Body(°C)	<55
Motor Power(W)	160	Weight (Kg)	7.5
Inlet (Mm)	Φ6	Diaphragm	Nbr
Outlet (Mm)	Silencer	Noise Level(Db)	<50
Working Temp(°C)	7-40		

GM-0.33II

GM-0.33III

Speed Of Evacuation (L/Min)	20	Pump Head	2
Ultimate Pressure Vacuum	≥0.095Mpa 50mbar	Voltage Rating	230vac, 50hz
Dimensions (L*W*H)	300*120*235mm	Temp Of The Body(°C)	<55
Motor Power(W)	160	Weight (Kg)	10
Inlet (Mm)	Φ6	Diaphragm	Nbr
Outlet (Mm)	Silencer	Noise Level(Db)	<50
Working Temp(°C)	7-40		

Manifolds 3-Branch

11228 BBC 86 Class II Biological Safety Cabinet

Product Description 11228 BBC 86 is a NSF49 certified biological safety cabinet. Biobase is the only factory passed American NSF standard.

Advantage:
1. VFD Display   Compared with LED, LCD, it shall demonstrate various colors with high bright, even in the evening. It shall work no less than 30, 000 hours continually.
 2. Negative pressure plenum surrounds contaminated positive pressure plenum; No fabric bags are used.
3. One-piece removable worksurface easy to clean.
4. Frameless sash, easy to clean.
5. Filter, Blower and Fluorescent lamp working time check.

 According to the performance criteria:
1 US Standard ANSI/NSF49: 2002
2 European Standard EN12469: 2000
3 Chinese Standard YY0569-2005

Certificates: ISO9001, ISO14001, ISO13485, CE, NSF49, MET

Optional Accessory
1. Exhaust system (exhaust collar, exhaust blower and duct)
2. Air curtain tester
3. Formalin Fumigation sterilizer and Ammonnium Hydrogen Carbonate Neutralizer(filter changing tools)

Internal Size(mm)	600*500*540
External Szie(mm)	700*650*1230
Tested Opening	Safety Height <200 mm
Max Opening	400 mm
Inflow Velocity	0.53 m/s
Downflow Velocity	0.33 m/s
Filter	Two HEPA filter 99.999% efficient(0.3 microns)
Front Window	Two-layer toughened glass > 5mm
Noise	< 65 dB
UV Lamp	15W* 1
Fluorescent Lamp	40W* 1
Lighting(Lux)	680
Power(W)	800
Waterproof Socket	2
Display	LCD display
Control System	Microprocessor
Airflow System	70% air recirculation, 30% air exhaust
Material	Work zone interior is made of 304 stainless steel
	Body: Expoxy coated cold rolled steel
Base Stand	Height: 635mm
Caster Wheel	Universal Wheel
Electrical	110~240V/50~60Hz (optional)
Net Weight(kg)	80
Gross Weight(kg)	110
Package(mm)	950*850*1430
Standard Configuration	Body, UV lamp and Fluorescent Lamp
Optional Accessory	Armrest, Air curtain tester, Formalin fumigation sterilizer, Ammonium hydrogen carbonate neutralizer

Class I Biological Safety Cabinet
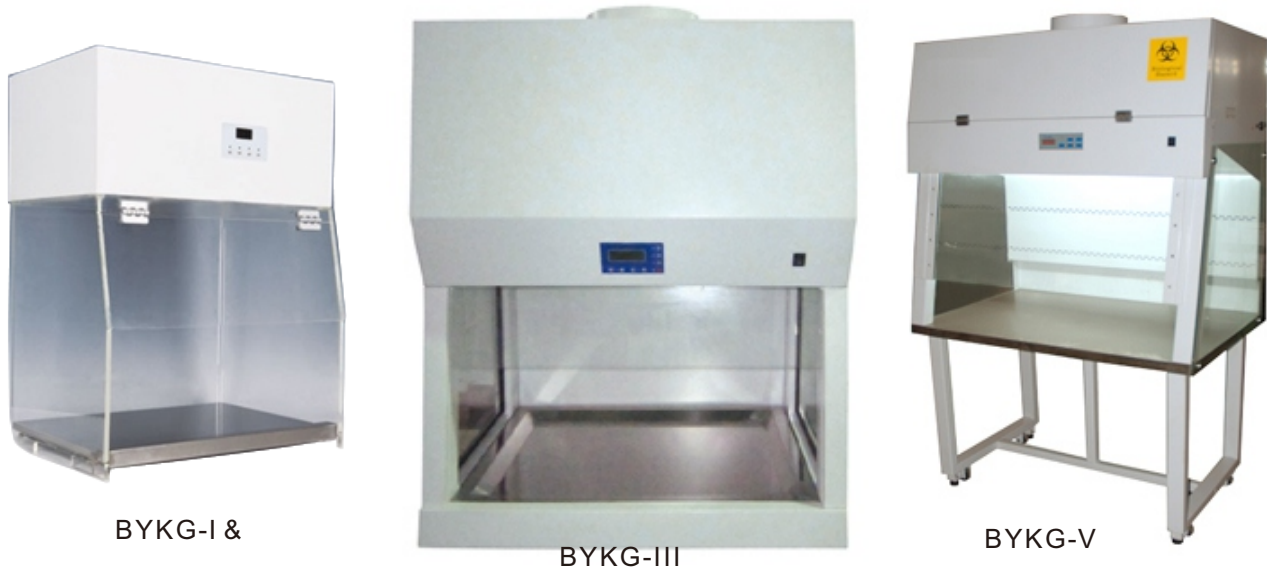
BYKG-I &

BYKG-III

BYKG-V

Introduction: The Class I Biological Safety Cabinet is a negative-pressure,ventilated cabinet usually operated with an open front and a minimum face velocity at the work opening of at least 75 linear feet per minute (lfpm). All of the air from the cabinet is sent through a HEPA filter, either into the laboratory or to the outside.

Feartures: * Soft touch control panel, LED display * Stable airflow system, provide good operation and environment protection. * Portable design, easy for installation * One piece stainless steel work surface, easy for cleaning.

Model	BYKG-I	BYKG-II	BYKG-III	BYKG-V
External Dimensions (W*D*H)	550*395*730	700*550*900	900*695*1080	1100*695*1924
Internal Dimensions (W*D*H)	540*385*450	680*450*500	768*690*580	968*695*630
HEPA Filter	1 piece			
Airflow Velocity	0.38~0.6m/s			
Noise Level	<55 dB	<55 dB	<60 dB	<55 dB
Fluorescent Lamp	15W*1	18W*1	14W*2	21W*1
UV Lamp	15W*1	18W*1	20W*1	20W*1
Power Consumption	150W	160W	300W	400W
Main Body Construction	Acrylic Plate		Cold-roll steel plate with corrosion-proof coating+ toughened glass	
Operation table	304 stainless steel			
Base Cabinet Material	NO	No	Cold-roll steel plate with corrosion-proof	
Base Stand height	NO	No	738mm	
Caster	NO	No	Universal wheel with brake	
Electrical	110~240V/50HZ~60HZ			
Standard Accessory	Fluorescent Light, UV		Fluorescent Light, UV,Base Stand	
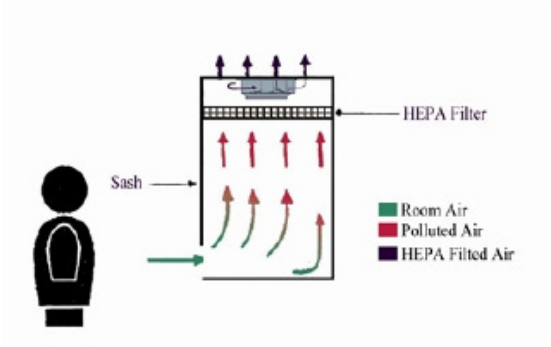
11239BBC86 Class II Biological Safety Cabinet

Product Description 11239 BBC 86 is a new model.

Advantage:
1. Large LCD display. All information you can find in the display.
2. Remote control. Every function could be realized 6 meters away from the cabinet by remote controller, this can protect the operator's safe under emergency.
3. Motor controlled front sash. One finger could remove the height the front sash, easy adjustable and saving time
4. Time appointment function. This can save half an hour waiting time after you active the cabinet and the sterilization waiting time after experiment finishing.
5. Negative pressure plenum surrounds contaminated positive pressure plenum.
6. Digital display of air pressure, air velocity and temperature.

 According to the performance criteria:
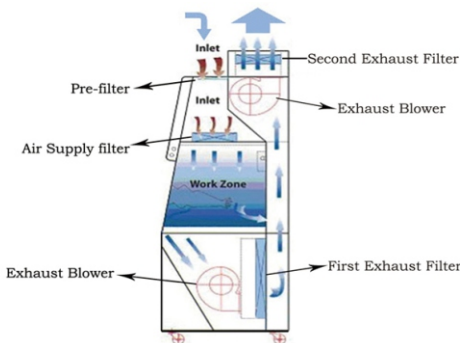1. US Standard ANSI/NSF49: 2002   2. European Standard EN12469: 2000   3. Chinese Standard YY0569-2005
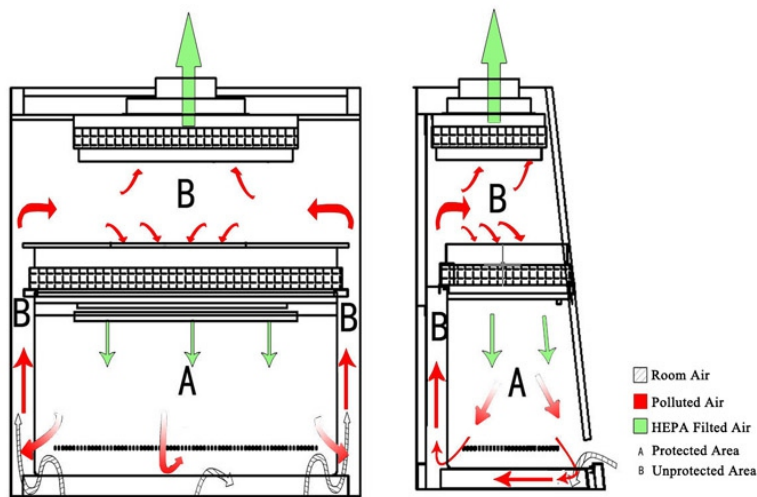
Internal size(mm)	1380*750*2290 mm
External size(mm)	1220*600*660 mm
Tested Opening	200 mm
Working Opening	400 mm
Inflow Velocity	0.53 m/s
Down Flow Velocity	0.33 m/s
Filter	Two HEPA filter 99.999% efficient(0.3 microns)
Front Window	Two-layer toughened glass>5 mm
Noise	< 62 dB
UV lamp	30 W*1
Fluorescent Lamp	40 W*2
Lighting (Lux)	680 lux
Power(W)	1200 W
Water and Gas Tap	Water Tap:1 Gas Tap: 1
Waterproof Socket	2
Display	LCD Display
Control Sys tem	Microprocessor
Airflow System:	70% air recirculation, 30% air exhaust
Material	Work zone interior is made of 304 stainless steel
	Body: Expoxy coated cold rolled steel
Base (optional)	635 mm
Caster Wheel	Universal Wheel
Clean Level	100
Electrical	110~240 V/50~60 Hz (optional)
Net weight	300 Kg
Gross weight	400 Kg
S tandard Configuration	Body, Remote control, Foot switch, UV lamp and Fluorescent Lamp

11231 BBC86 Class II Biological Safety Cabinet

Introduction: The Class II biological safety cabinet is an open-front, ventilated cabinet. The Class II biological safety cabinet will provide personnel, environment and product protection.

According to the performance criteria: 1.US Standard ANSI/NSF 49:2002 2.European Standard EN13469:2000 3.Chinese Standard YY0569-2005

Advantage:
1. Convenient to move
2. Work area surrounded by negative pressure
3. Timer function
4. LCD display
5. Filter life inquiry
6. Motored front window

Internal Size(mm)	600*500*540
External Szie(mm)	700*650*1230
Tested Opening	Safety Height <200 mm
Max Opening	400 mm
Inflow Velocity	0.53 m/s
Downflow Velocity	0.33 m/s
Filter	Two HEPA filter 99.999% efficient(0.3 microns)
Front Window	Two-layer toughened glass > 5mm
Noise	< 65 dB
UV Lamp	15W* 1
Fluorescent Lamp	40W* 1
Lighting(Lux)	680
Power(W)	800
Waterproof Socket	2
Display	LCD display
Control System	Microprocessor
Airflow System	70% air recirculation, 30% air exhaust
Material	Work zone interior is made of 304 stainless steel
	Body: Expoxy coated cold rolled steel
Base Stand	Height: 635mm
Caster Wheel	Universal Wheel
Electrical	110~240V/50~60Hz (optional)
Net Weight(kg)	80
Gross Weight(kg)	110
Package(mm)	950*850*1430
Standard Configuration	Body, UV lamp and Fluorescent Lamp
Optional Accessory	Armrest, Air curtain tester, Formalin fumigation sterilizer, Ammonium hydrogen carbonate neutralizer

BSC-1500IIA2-X Class II Biological Safety Cabinet

Product Description
BSC-1500IIA2-X biological safety cabinet is an open-front, ventilated cabinet. The safety cabinet will provide personnel, environment and product protection.

Advantage:
1. Remote control. The operator need not to contact the biological safety cabinet directly, it's favorable for preventing cross contamination. It also makes the control operation much easier and convenient.
2. Foot Switch. Within the range of the activity, we could use foot switch to adjust the height of the front panel. It is our unique design.?
3. Work area surrounded by negative pressure.
4. Timer function
5. VFD display
6. Filter life inquiry
7. Safety power lock
8. Motor control front window

According to the performance criteria:
1US Standard ANSI/NSF49: 2002
2European Standard EN12469: 2000
3Chinese Standard YY0569-2005

Internal Size(mm)	1300*600*660
External Szie(mm)	1500*850*2265
Tested Opening	Safety Height <200 mm
Max Opening	400 mm
Inflow Velocity	0.53 m/s
Downflow Velocity	0.33 m/s
Filter	Two HEPA filter 99.999% efficient(0.3 microns)
Front Window	Two-layer toughened glass > 5mm
Noise	≤ 65 dB
UV Lamp	30W*1
Fluorescent Lamp	28W*2
Lighting(Lux)	800
Power(W)	1200
Water and Gas Tap	Water Tap: 1 Gas Tap: 1
Waterproof Socket	2
Display	VFD display
Control System	Microprocessor
Airflow System	70% air recirculation, 30% air exhaust
Material	Work zone interior is made of 304 stainless steel
	Body: Expoxy coated cold rolled steel
Base Stand	Height: 635mm
Caster Wheel	Directional wheel
Electrical	110~240V/50~60Hz (optional)
Net Weight(kg)	365
Gross Weight(kg)	430
Package(mm)	1640*1040*1860
Standard Configuration	Body, Remote control, Foot switch, UV lamp and Fluorescent Lamp, Base Stand
Optional Accessory	Armrest, Air curtain tester, Formalin fumigation sterilizer, Ammonium hydrogen carbonate neutralizer

BSC-1500IIIX Class III Biological Safety Cabinet

Class III Biological Safety Cabinet
1. Complete sealed Front window is sealed, and with pairs of gloves connecting to the operation area, product is transferred by the delivery window. And there is no out-connected valve.
2. 100% exhaust 100% air exhaust, no air recirculation, and air is exhausted by three ULPA filters and to the room directly. If the air needs to be exhausted to outdoors, another out connected duct need to be ordered, and extra duct and motor are required.
3. Complete negative pressure The two motors design makes interior of cabinet is complete negative pressure, and can reach -274pa, triple layers filter film, ensures operation's security, neither substance nor polluted air will leak out.

According to the performance criteria:
1. US Standard ANSI/NSF49: 2002
2. European Standard EN12469: 2000
3. Chinese Standard YY0569-2005

|	
External Size (W*D*H)	1340*850*2100 mm
Internal Size (W*D*H)	1240*650*650 mm
Pass Box Size	Internal Size: 400*390*340 mm
	External Size: 480*400*400 mm
Gloves	One pair 800mm butyl rubber gloves
Material	Work Surface: 304 stainless steel
	Body: Expoxy coated cold-rolled steel
Air Velocity	More than 355 cfm
Negative Work Zone Pressure	- 274 Pa
Pre-filter	Washable
Main Filter	Air supply filter: ULPA filter 99.999% efficient(0.1-0.3 microns)
	First exhaust filter: ULPA filter 99.999% efficient(0.1-0.3 microns)
	Second exhaust filter: ULPA filter 99.999% efficient(0.1-0.3 microns)
Noise	< 65 dB
Front Window	Toughened glass, thickness is no less than 8 mm
Display	LED
Alarm	Visual and audio alarm
Lighting	> 800 lux
UV lamp	UV lamp for sterilization
Power	110V ~ 240V/50Hz~60Hz(Optional)
Packaging Size	2000*1000*2220 mm
Accessories	Gloves, fluorescent light, UV lamp, exhaust motor and exhaust duct

BBS-1300HGS Laminar Flow Clean Bench

The laminar flow clean bench is a work bench or similar enclosure which has its own filtered air supply. It provides product protection by ensuring that the work in the bench is exposed only to HEPA-filtered air. Laminar flow clean benches are widely used in medical research laboratories, hospitals, manufacturing facilities and other research and production environments.?

BIOBASE can offer both horizontal flow models for you.

Advantage:
1. HEPA Filters. Performance: 99.995% @0.3 um
2. Air speed adjustable.
3. Motor controlled front sash.

Internal Size(mm)	1200*500*570
External Size(mm)	1300*825*2000
Display	LED digital display
Pre-filter	Disposable, non-washable polyester fibre
Filter Efficiency	> 99.995% at 0.3um
Airflow Velocity	Average of 0.3~0.5m/s
Noise Level	< 60 dB
Fluorescent Lamp	28W*1
UV Lamp	30W*1
Power Consumption	600W
Front Sash	Tempered glass, no less than 5mm, anti-ultraviolet radiation.
Main Body Material	Adopting cold-roll steel plate with corrosion-proof coating
Work Zone Material	304 stainless steel
Base Stand Material	Adopting cold-roll steel plate with corrosion-proof coating
Base Stand Height	650 mm
Caster	Reverse Wheel with brake
Electrical	110~240V/50~60Hz
Standard Accessory	Light, UV, Base Stand, Water and Gas Tap
Net Weight	125 kg
Gross Weight	165 kg
Package Size	1503*1025*1735 mm

BBS-DDS Laminar Flow Clean Bench

The laminar flow clean bench is a work bench or similar enclosure which has its own filtered air supply. It provides product protection by ensuring that the work in the bench is exposed only to HEPA-filtered air. Laminar flow clean benches are widely used in medical research laboratories, hospitals, manufacturing facilities and other research and production environments.

BIOBASE can offer both horizontal flow models for you.

Advantage:
1. HEPA Filters. Performance: 99.995% @0.3 um
2. Air speed adjustable.
3. Motor controlled front sash.

Internal Size(mm)	980*500*600
External Size(mm)	1060*800*1690
Display	LED digital display
Pre-filter	Disposable, non-washable polyester fibre
Filter Efficiency	> 99.995% at 0.3um
Airflow Velocity	Average of 0.3~0.5m/s
Noise Level	< 60 dB
Fluorescent Lamp	21W*1
UV Lamp	20W*1
Power Consumption	200W
Front Sash	Tempered glass, no less than 5mm, anti-ultraviolet radiation.
Main Body Material	Adopting cold-roll steel plate with corrosion-proof coating
Work Zone Material	304 stainless steel
Base Stand Material	Adopting cold-roll steel plate with corrosion-proof coating
Base Stand Height	690 mm
Caster	Reverse Wheel with brake
Electrical	110~240V/50~60Hz
Standard Accessory	Light, UV, Base Stand
Net Weight	100 kg
Gross Weight	140 kg
Package Size	1200*950*1840 mm
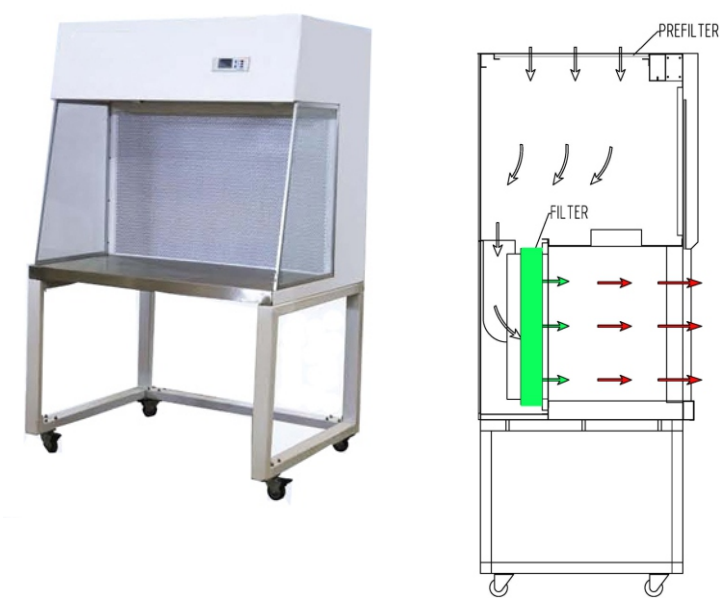
BBS-1300VGS Laminar Flow Clean Bench

The laminar flow clean bench is a work bench or similar enclosure which has its own filtered air supply. It provides product protection by ensuring that the work in the bench is exposed only to HEPA-filtered air. Laminar flow clean benches are widely used in medical research laboratories, hospitals, manufacturing facilities and other research and production environments.

HINOTEK can offer both horizontal and vertical flow models for you.

Advantage:
1. HEPA Filters. Performance: 99.995% @0.3 um
2. Air speed adjustable.
3. Motor controlled front sash.

Internal Size(mm)	1200*645*610
External Size(mm)	1310*750*2000
Display	LED digital display
Pre-filter	Disposable, non-washable polyester fibre
Filter Efficiency	> 99.995% at 0.3um
Airflow Velocity	Average of 0.3~0.5m/s
Noise Level	< 60 dB
Fluorescent Lamp	28W*1
UV Lamp	30W*1
Power Consumption	600W
Front Sash	Tempered glass, no less than 5mm, anti-ultraviolet radiation.
Main Body Material	Adopting cold-roll steel plate with corrosion-proof coating
Work Zone Material	304 stainless steel
Base Stand Material	Adopting cold-roll steel plate with corrosion-proof coating
Caster	Reverse Wheel with brake
Electrical	110~240V/50~60Hz
Standard Accessory	Light, UV, Water and Gas Tap, Base Stand
Net Weight	225 kg
Gross Weight	255 kg
Package Size	1500*1040*1700 mm
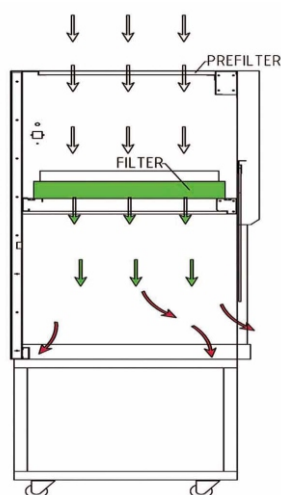
BBS-DDC Laminar Flow Clean Bench

Product Description BBS-DDC Laminar Flow Clean Bench

The laminar flow clean bench is a work bench or similar enclosure which has its own filtered air supply. It provides product protection by ensuring that the work in the bench is exposed only to HEPA-filtered air. Laminar flow clean benches are widely used in medical research laboratories, hospitals, manufacturing facilities and other research and production environments.
We can offer both horizontal and vertical flow models for you.

Advantage: 1. HEPA Filters. Performance: 99.995% @0.3 um
2. Air speed adjustable.
 3. Motor controlled front sash.

Internal Size(mm)	940*580*540
External Size(mm)	1040*580*1730
Display	LED digital display
Pre-filter	Disposable, non-washable polyester fibre
Filter Efficiency	> 99.995% at 0.3um
Airflow Velocity	Average of 0.3~0.5m/s
Noise Level	< 60 dB
Fluorescent Lamp	21W*1
UV Lamp	20W*1
Power Consumption	340W
Front Sash	Tempered glass, no less than 5mm, anti-ultraviolet radiation.
Main Body Material	Adopting cold-roll steel plate with corrosion-proof coating
Work Zone Material	304 stainless steel
Base Stand Material	Adopting cold-roll steel plate with corrosion-proof coating
Caster	Reverse Wheel with brake
Electrical	110~240V/50~60Hz
Standard Accessory	Light, UV, Base Stand
Net Weight	110 kg
Gross Weight	150kg
Package Size	1200*750*1920 mm
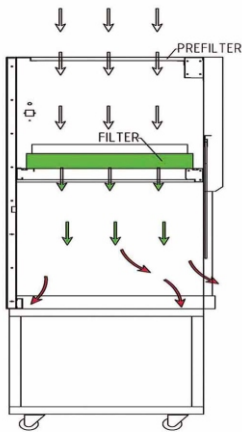
FH-1500X Fume hood

FH series Fume hoods are the first defense to minimize chemical exposure to research workers.

They are considered the primary means of protection from inhalation of hazardous vapors.

Advantage:
1. UV lamp. Sterilize the working atea.
2. LCD display screen. See the air velocity ditrctly.
3. Inside fan. Easy to install, save time.
4. The airvelocity is adjustable(6 levels).
5. Electrical controlled glass.
6. Removeable work surface. Easy to clean.

FX-1500X Spec:

Internal Size(mm)	1380*750*745 mm
External Size(mm)	1500*800*2200 mm
Base Cabinet	Height is 650 mm, the exterior size include the cabinet height
Protection Class	Class I
Protection Type	IP 20
Air velocity	0.55± 0.025 m/s
Noise	≤ 60dB
Pipe Collar	Φ 290mm
Fluorescent Lamp	36W*1
UV Lamp	30W*1
Exhaust Duct	PVC, standard length: 4 meters
Blower	centrifugal fan, speed adjustable. The fan inside the Fume Hood
Glass Window	Two layer toughen glass, 5mm thickness; Motor control, height adjustable
Power Supply	110-220V/50-60Hz(optional)
Power Consumption	800W
Standard Accessory	Water tap: 1 Water cup: 1 Gas tap: 2 Water proof sockets: 2
Material	Exterior body: Cold-roll steel sheets, coated with anti-bacteria powder
	Interior: Adopts high grade melamine board with good acid and alkali resistance function
	Work table: Using Solid Chemical-Resistant physiochemical board
Optional Accessory	HEPA filter/Carbon active Filter/ Chemical Filter
Net Weight	280 kg
Gross Weight	400kg
Package Szie	Main body: 1660*1010*1840 mm
	Base Cabinet: : 1660*950*800 mm

Oil Pump

Our pump have already reached international standard level from external appearance to functional performance. Our goods is mainly applied in many fields, such as refrigeration maintain, printing machine, medical equipment, vacuum packing, gas analyze and thermoplastic molding ect.

Item NO.		VP115	VP125	VP135	VP145	VP160	VP180	VP1100
		(VP-1)	(VP-1.5)	(VP-2)	(VP-2.5)	(VP-3)	(VP-4)	(VP-5)
Flow Rate	50Hz	1.5CFM	2.5CFM	3.5CFM	4.5CFM	6CFM	8CFM	10CFM
		42L/min	70L/min	100L/min	128L/min	170L/min	226L/min	283L/min
	60Hz	1.8CFM	3CFM	4CFM	5CFM	7CFM	9CFM	12CFM
		50L/min	84L/min	114L/min	142L/min	198L/min	254L/min	340L/min
Ultimate vacuum		5Pa	5Pa	5Pa	5Pa	5Pa	5Pa	5Pa
		375microns	375microns	375microns	375microns	375microns	375microns	375microns
Power		1/4HP	1/4HP	1/3HP	1/3HP	1/2HP	3/4HP	1HP
Inlet Port		1/4"Flare	1/4"Flare	1/4"Flare	1/4"Flare	1/4"&3/8"Flare	1/4"&3/8"Flare	1/4"&3/8"Flare
Oil Capacity		320ml	300ml	350ml	350ml	450ml	700ml	800ml
Dimensions(mm)		270*119*216	270*119*216	278*119*216	278*119*216	320*134*232	370*140*250	390*140*250
Weight		5.3kg	5.5kg	6.5kg	6.8kg	10kg	14kg	14.5kg

Item NO.		VP215	VP225	VP235	VP245	VP260	VP280	VP2100
		(2VP-0.5)	(2VP-1)	(2VP-1.5)	(2VP-2)	(2VP-3)	(2VP-4)	(2VP-5)
Flow Rate	50Hz	1.5CFM	2.5CFM	3.5CFM	4.5CFM	6CFM	8CFM	10CFM
		42L/min	70L/min	100L/min	128L/min	170L/min	226L/min	283L/min
	60Hz	1.8CFM	3CFM	4CFM	5CFM	7CFM	9CFM	12CFM
		50L/min	84L/min	114L/min	142L/min	198L/min	254L/min	340L/min
Ultimate Vacuum		3*10 -1 Pa	3x10 -1 Pa	3x10 -1 Pa	3x10 -1 Pa	3x10 -1 Pa	3x10 -1 Pa	3x10 -1 Pa
		25microns	25microns	25microns	25microns	25microns	25microns	25microns
Power		1/4HP	1/3HP	1/3HP	1/2HP	3/4HP	1HP	1HP
Inlet Port		1/4"Flare	1/4"Flare	1/4"&3/8"Flare	1/4"&3/8"Flare	1/4"&3/8"Flare	1/4"&3/8"Flare	1/4"&3/8"Flare
Oil Capacity		180ml	280ml	360ml	350ml	700ml	600ml	700ml
Dimensions(mm)		270*119*216	278*119*216	320*134*232	320*134*232	370*140*250	370*140*250	390*140*250
Weight		6kg	7kg	11kg	11.8kg	15kg	15.5kg	16kg

FH-1000 Fume hood

FH series Fume hoods are the first defense to minimize chemical exposure to research workers.

They are considered the primary means of protection from inhalation of hazardous vapors.

Advantage:
1. UV lamp. Sterilize the working atea.
2. LCD display screen. See the air velocity ditrctly.
3. Inside fan. Easy to install, save time.
4. The airvelocity is adjustable(6 levels).
5. Electrical controlled glass.
6. Removeable work surface. Easy to clean.

FH1000 Spec:

Internal Size(mm)	820*620*750 mm
External Size(mm)	1000*750*2200 mm
Base Cabinet	Height is 620 mm, the exterior size include the cabinet height
Protection Class	Class I
Protection Type	IP 20
Air velocity	≥ 0.5m/s
Noise	≤ 60dB
Pipe Collar	Φ 290mm
Pip Strap	1 pc
Fluorescent Lamp	15W*1
UV Lamp	20W*1
Exhaust Duct	PVC, standard length: 4 meters
Blower	centrifugal fan, speed adjustable. The fan inside the Fume Hood
Glass Window	Two layer toughen glass, 5mm thickness; Motor control, height adjustable
Power Supply	110-220V/50-60Hz(optional)
Power Consumption	800W
Standard Accessory	Water tap: 1 Water cup: 1 Gas tap: 2 Water proof sockets: 2
Material	Exterior body: Cold-roll steel sheets, coated with anti-bacteria powder
	Interior: Adopts high grade melamine board with good acid and alkali resistance function
	Work table: Using Solid Chemical-Resistant physiochemical board
Optional Accessory	HEPA filter/Carbon active Filter/ Chemical Filter
Net Weight	200 kg
Gross Weight	260kg
Package Szie	Main body: 1140*950*1720 mm
	Base Cabinet: : 1140*900*980 mm

FH-1000X Fume hood

FH series Fume hoods are the first defense to minimize chemical exposure to research workers.

They are considered the primary means of protection from inhalation of hazardous vapors.

Advantage:
1. UV lamp. Sterilize the working atea.
2. LCD display screen. See the air velocity ditrctly.
3. Inside fan. Easy to install, save time.
4. The airvelocity is adjustable(6 levels).
5. Electrical controlled glass.
6. Removeable work surface. Easy to clean.

FH1000X Spec:

Internal Size(mm)	800*750*745 mm
External Size(mm)	1000*800*2200 mm
Base Cabinet	Height is 650 mm, the exterior size include the cabinet height
Protection Class	Class I
Protection Type	IP 20
Air velocity	0.55± 0.025 m/s
Noise	≤ 60dB
Pipe Collar	Φ 290mm
Fluorescent Lamp	15W*1
UV Lamp	30W*1
Exhaust Duct	PVC, standard length: 4 meters
Blower	centrifugal fan, speed adjustable. The fan inside the Fume Hood
Glass Window	Two layer toughen glass, 5mm thickness; Motor control, height adjustable
Power Supply	110-220V/50-60Hz(optional)
Power Consumption	800W
Standard Accessory	Water tap: 1 Water cup: 1 Gas tap: 2 Water proof sockets: 2
Material	Exterior body: Cold-roll steel sheets, coated with anti-bacteria powder
	Interior: Adopts high grade melamine board with good acid and alkali resistance function
	Work table: Using Solid Chemical-Resistant physiochemical board
Optional Accessory	HEPA filter/Carbon active Filter/ Chemical Filter
Net Weight	200 kg
Gross Weight	260kg
Package Szie	Main body: 1140*950*1700 mm
	Base Cabinet:1060*870*880 mm

FH-1200 Fume hood

FH series Fume hoods are the first defense to minimize chemical exposure to research workers.

They are considered the primary means of protection from inhalation of hazardous vapors.

Advantage:
1. UV lamp. Sterilize the working atea.
2. LCD display screen. See the air velocity ditrctly.
3. Inside fan. Easy to install, save time.
4. The airvelocity is adjustable(6 levels).
5. Electrical controlled glass.
6. Removeable work surface. Easy to clean.

FH1200 Spec:

Internal Size(mm)	1020*670*750 mm
External Size(mm)	1200*800*2200 mm
Base Cabinet	Height is 620 mm, the exterior size include the cabinet height
Protection Class	Class I
Protection Type	IP 20
Air velocity	≥ 0.5m/s
Noise	≤ 60dB
Pipe Collar	Φ 290mm
Pip Strap	1 pc
Fluorescent Lamp	21W*1
UV Lamp	21W*1
Exhaust Duct	PVC, standard length: 4 meters
Blower	centrifugal fan, speed adjustable. The fan inside the Fume Hood
Glass Window	Two layer toughen glass, 5mm thickness; Motor control, height adjustable
Power Supply	110-220V/50-60Hz(optional)
Power Consumption	1000W
Standard Accessory	Water tap: 1 Water cup: 1 Gas tap: 2 Water proof sockets: 2
Material	Exterior body: Cold-roll steel sheets, coated with anti-bacteria powder
	Interior: Adopts high grade melamine board with good acid and alkali resistance function
	Work table: Using Solid Chemical-Resistant physiochemical board
Optional Accessory	HEPA filter/Carbon active Filter/ Chemical Filter
Net Weight	200 kg
Gross Weight	300kg
Package Szie	Main body: 1340*900*1760 mm
	Base Cabinet: : 1340*900*980 mm

SB-D Ultrasonic Cleaner

Features:
* Digital display and setting ultrasonic cleaning time.
* Display woking countdown time.
* Display actual temperature of the cleaning tank.
* Temperature setting range: Ambient temperature-80°C
* Timing range: 1-99 minutes adjustable.
* Equipped with a special stainless steel basket, reduce sound cover.
* The shell and cover are made by stainless steel.
* The equipment controlled by Single-chip controller.
* The lastest working parameters can be stored in memory after power-off

Spec:.

Model	Inner Tank (L/W/H mm)	Volume (L)	Frequency (KHz)	Power (W)	Adjustable Time (min)	Drainage	Net weight (Kg)	Packing Size (mm)
SB-50	150*85*65	1	40	50	1-120	/		220*150*210
SB-80	155*140*100	2	40	80	1-120	/	2.2	240*230*300
SB-100D	300*150*100	4.5	40	100	1-600	/	4.5	400*240*435
SB-120D	240*140*100	3	40	120	1-600	/	4.5	325*230*300
SB-120D	240*140v150	5	40	120	1-600	/	4	325*230*350
SB-3200D	300*155*150	6	40	180	1-600	/	5	400*240*380
SB-5200D	300*240v150	10	40	200	1-600	?	6.8	450*325*375
SB-5200D	300*240*150	10	40	250	1-600	?	7	450*325*375
SB-5200D	300*240*150	10	40	300	1-600	?	7.2	450*325*375
SB4200D	300*240*200	14.4	40	400	1-600	?	9	445*320*460
SB25-12D	500*300*150	22.5	40	500	1-600	?	13	640*395*375
SB25-12D	500*300*150	22.5	40	600	1-600	?	13.5	640*395*375

SB-DT Ultrasonic

Description: * Digital display and setting ultrasonic cleaning time
 * Display woking countdown time
 * Display actual temperature of the cleaning tank
 * Temperature setting range: Ambient temperature-80°C
 * Timing range: 1-99 minutes adjustable
 * Equipped with a special stainless steel basket, reduce sound cover
 * The shell and cover are made by stainless steel
 * The equipment controlled by Single-chip controller
 * The lastest working parameters can be stored in memory after power-off

Spec:

Model	Inner Tank L/W/H (mm)	Volume (L)	Frequency (KHz)	Power (W)	Heating power (W)	Adjustable Temperature (Deg.C)	Adjustable Time (Min)	Drainage	Rack
SB-100DT	300·150·100	4.5	40	100	150	Ambient-80	1-99	/	Y
SB-120DT	240·140·100	3	40	120	150	Ambient-80	1-99	/	Y
SB-120DT	240·140·150	5	40	120	150	Ambient-80	1-99	/	Y
SB-3200DT	300·155·150	6	40	180	180	Ambient-80	1-99	/	Y
SB-5200DT	300·240·150	10	40	200	320	Ambient-80	1-99	Y	Y
SB-5200DT	300·240·150	10	40	250	320	Ambient-80	1-99	Y	Y
SB-5200DT	300·240·150	10	40	300	320	Ambient-80	1-99	Y	Y
SB-4200DT	300·240·200	14.4	40	400	320	Ambient-80	1-99	Y	Y
SB25-12DT	500·300·150	22.5	40	500	800	Ambient-80	1-99	Y	Y
SB25-12DT	500·300·150	22.5	40	600	800	Ambient-80	1-99	Y	Y
SB-800DT	500·300·200	30	40	800	800	Ambient-80	1-99	Y	Y
SB-1000DT	600·300·300	54	28	1000	2800	Ambient-80	1-99	Y	/
SB-1200DT	600·400·300	70	28	1200	3200	Ambient-80	1-99	Y	Y
SB-1500DT	600·500·300	90	28	1500	4000	Ambient-80	1-99	Y	/
SB-1800DT	600·600·300	108	28	1800	4000	Ambient-80	1-99	Y	/
SB-2000DT	650·600·300	117	28	2000	5000	Ambient-80	1-99	Y	/
SB-3600DT	750·600·300	135	28	3600	6000	Ambient-80	1-99	Y	/
SB-6000DT	1200·650·350	273	28	6000	8000	Ambient-80	1-99	Y	/
SB-8000DT	1800·650·350	410	28	8000	10000	Ambient-80	1-99	Y	/

SB-DTD Ultrasonic Cleaner

Features:
* Large-screen LCD display
  * Display the parameters setting menu
  * Adjustable power :40%--100%
  * Digital setting ultrasonic cleaning time
  * Working time countdown display
  * Display actual temperature of the cleaning tank
  * Temperature setting Range: room temperature--80°C
  * Timing Range: 1-600 minutes adjustable
  * Equipped with a special stainless steel basket, reduce sound cover
  * The shell and cover are made by stainless steel
  * The equipment controlled by Single-chip controller
  * The lastest working parameters can be stored in memory after power-off

Spec:

Model	Inner Tank L/W/H (mm)	Volume (L)	Frequency (kHz)	Power (W)	Adjustable Power (%)	Heating power (W)	Adjustable Temperature (Deg.C)	Adjustable Time (Min)	Drainage	Rack
SB-3200DTD	300·155·150	6	40	180	40-100	180	Ambient-80	1-240	/	Y
SB-5200DTD	300·240·150	10	40	200	40-100	320	Ambient-80	1-240	Y	Y
SB-5200DTD	300·240·150	10	40	250	40-100	320	Ambient-80	1-240	Y	Y
SB-5200DTD	300·240·150	10	40	300	40-100	320	Ambient-80	1-240	Y	Y
SB-4200DTD	300·240·200	14.4	40	400	40-100	320	Ambient-80	1-240	Y	Y
SB25-12DTD	500·300·150	22.5	40	500	40-100	800	Ambient-80	1-240	Y	Y
SB25-12DTD	500·300·150	22.5	40	600	40-100	800	Ambient-80	1-240	Y	Y
SB-800DTD	500·300·200	30	40	800	40-100	800	Ambient-80	1-240	Y	Y

SB-DTS/SB25-DTS Series Ultrasonic Cleaner

Features: * Interchangeable use of two kinds of frequencies: 25KHz, 40KHz
  * Digital display and setting ultrasonic cleaning time
  * Display working countdown time
  * Display actual temperature of the cleaning tank
  * Temperature setting range: Room temperature--80°C
  * Timing range: 1-99 minutes adjustable
  * Equipped with a special stainless steel basket, reduce sound cover
  * The shell and cover are made by stainless steel
  * The equipment controlled by Single-chip controller
  * The last working parameters can be stored in memory after power-off

Spec:

Model	Inner Tank L/W/H (mm)	Volume (L)	Frequency (KHz)	Power (W)	Heating Power (W)	Accumulative Time (Min)	Drainage
SB-3200DTS	300×155×150	6	25/40	180	120	1-99	/
SB-5200DTS	300×240×150	10	25/40	200	320	1-99	?
SB-5200DTS	300×240×150	10	25/40	250	320	1-99	?
SB-5200DTS	300×240×150	10	25/40	300	320	1-99	?
SB-4200DTS	300×240×200	14.4	25/40	400	320	1-99	?
SB25-12DTS	500×300×150	22.5	25/40	500	600	1-99	?
SB25-12DTS	500×300×150	22.5	25/40	600	600	1-99	?

SB-4200DTS

SB25-12DTS

Kjeldahl Analyzer

Oxygen Bomb Calorimeter

FREEZE~DRYING SYSTEM

Ultrasonic Homogenizer

Ultra~low Temperature Freezer

Microwave Reaction System

Graphite Digester

Ice Maker

Fat Analyzer

K1100 Kjeldahl Analyzer

K1100 Automatic Kjeldahl Analyzer is an automatic device integrating distillation and titration functions designed based on classic Kjeldahl nitrogen determination method. It's equipped with the latest core control system, powerful automatic degree and high-quality components, can easily achieve automatic waste discharge and cleaning of boiling tubes and titration cups, control steam supply and have real-time detection of condensation temperature. High-accuracy charging pump and titration system ensure test results accuracy, and multiple fluid-level detection gives smooth test process.

Characteristics:
• Automatic completion of distillation, titration, calculation, printing, waste discharge and cleaning.
• Automatic waste discharge and cleaning ensure operator safety and save work hours.
• External titration cup design gives operator real-time control of the whole test process.
• Multiple protections i.e. failure self-detection, hints of condensed water shortage, displacement of safety door and nitrogen tube, and so on.
• Steam flow is controllable, satisfying different test requirement.
• Regent barrel enjoys fluid absence warning function, ensuring smooth test going.
• High-precision charging pump and titration ensure test results accuracy.
• Large LCD touch screen gives visual operation and abundant information, enabling user to have a good command of it.
• USB or RS485 interface is optional for PC connection.

Technical data:

Measuring range	0.1mg~200mg N
Analysis time	5~10min/sample
Reproducibility	Average value relative error ±0.5%
Recovery	□<<18(
Burette volume	1.0μL/step
Sample capacity	solid□8j 2/dp sdn/ dt xlg□ 53p 0/dp sdn
Water consumption in the distillation process	1.5L/min
Data storage capacity	1000 pieces
Power supply	220VAC±10%, 50Hz
Power	2KW
Net weight	38Kg
Dimensions	455mm*391mm*730mm
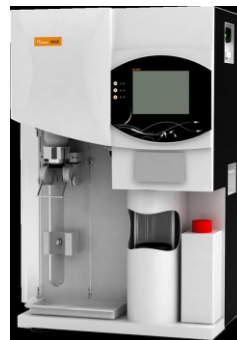
K9840 Kjeldahl Analyzer

K9840 Auto Distiller adopts globally accepted Kjeldahl nitrogen determination method to determine nitrogen content of sample. All intelligent software design makes the sample distillation complete within minutes. The distillation and condensation automatic cleaning system makes the measurement precision further improved.   It is widely used in food processing, feed production, tobacco, livestock, soil fertility, environmental monitoring, medicine, agriculture, scientific research, teaching, quality control and other fields for the test of nitrogen or protein content, can also be used for the test of ammonium, volatile fatty acid/alkali, and so on.

Characteristics:
* Display: 5.1" LCD screen
* Manual/automatic mode fee changeover
* Automatic alkali liquid quantification and filling
* Automatic boric solution quantification and filling
* Automatic or manual filling mode is optional according to test need
* Distillation time can be set freely, and automatic alarming upon completion
 * Automatic cleaning of control system and distiller, ensuring high measurement accuracy
* Perfect safety protection system gives distiller and tubes measurement and protection against over-temperature and over-pressure
 * Intelligent design of nitrogen tube peripheral facilities include safety designs and displacement hint
* Intelligent cooling water control system achieves cooling water control and test
* Emergency stop operation is able to deal with unexpected accidents
* Automatic fault detection and intelligent audible and visual alarm system are available

Technical data:
Measuring range 0.1mg~200mg N Recovery ≥99.5% Sample capacity solid ≤5g/sample, liquid≤20mL/sample Distillation speed <5min/sample Cooling water consumption 1.5L/min
Operating mode Manual/automatic mode
Display modes 5.1" LCD screen
Power supply 220VAC±10%, 50Hz
Power 1.3KW
Net weight 30Kg
Dimensions 400mm×385mm×735mm

ZDDN-II Automatic Kjeldahl Nitrogen Analyzer

Digestive furnace is optional parts.

Characteristics:
1. Adopt microcomputer controlling process; include manual mode and automatic mode. Can be set and switched according to user's need.
2. Large array LCD display, touch key, easy to operate.
3. Automatically control distill, add water .control water level are cut off water supply.
4. Various security protections: digestive system security device, steam generator water shortage alarm, water level detection fault alarm.
5. Stored operation procedure quantity: 250
6. Instrument shell adopts specially made plastic spray steel. Working area adopts ABS anticorrosive board, Avoid chemical reagent corrosion and mechanical surface damage, acid proof and alkali proof.
7. Once detected fault, controlling system will power off automatically.
8. Digestive furnace is not included in standard configuration.

Technical parameters:
Measuring varieties: grain, feed, dairy products, drink, soil, medicine, precipitate, chemicals and so on
Working mode: automatic (titration is not included)
Water-in mode: tap water and distilled water
Sample quantity: solid: 0.20g-2.00g,
        Semisolid: 2.00g-5.00g
        Liquid: 10.00ml-25.00ml
Measuring range: 0.1mgN-200mgN (mg nitrogen)
Recovery rate: ≥99% (relative error, including digestive process)
Distillation speed: 5-15 min/sample (according to sample amount)
Cooling water consumption: 3L/min
Repetition rate: relative standard deviation <±1%
Power: AV 220V/50Hz, 1000W
Water supply: water pressure >1.5MPa
      Water temperature<20℃
Shape size : 430*360*670mm
Weight: 25Kg

XRY-1A Oxygen Bomb Calorimeter

Summary:

The instrument is designed and made as per the National Standard of People's Republic of China GB/T213-2008 Test Method for Calorific Value of coal, GB/T384-1988 Test Method for Calorific Value of Petroleum Products and Calibration Regulation of People's Republic of China JJG672-2001 Oxygen Bomb Calorimeter, as well as Enterprise Standard of Shanghai Q/YXYY 10 XRY Series Oxygen Bomb Calorimeter.

The heat capacity of the instrument is 14400 J/K ~ 14500 J/K, and it is suitable to determine calorific value of combustible materials such as petroleum products without water (gasoline, jet fuels, diesel oil and fuel oils, etc.), coal, coke and paraffin, etc.

I. Main Technical Features
1. This instrument adopts sealed oxygen bomb. The whole structure adopts stainless steel material. The strength is enough to resist the max pressure (60~70 atmospheric pressure) when the solid burning. And it can resist the bigger pressure when liquid fuel burning.
2. The inner water cylinder is composed of stainless steel sheet.The cross section is pyriform and the capacity is 3kg. The water cylinder is equipped with electric stirrer inside. It ensures the temperature in the water cylinder uniform.
3. The external water jacket is double layer container. It filled with water when doing determination.It make the water temperature in the cylinder uniform by water jacket stirrer and form the constant temperature environment meeting the requirements of test.

II. Main technical specifications and parameters:
1. Heat capacity: 14400 J/K~14500 J/K
2. Resolution: 0.001 K
3. Measurement accuracy: ± 60J/g
4. Repeatability : ≤0.2% (Grade C)
5. Pressure endured of oxygen bomb: 20 MPa
6. Temperature measurement range: 10°C~35°C
7. Ambient temperature: 20±5°C, the fluctuation should not over 1°C during test
8. Data saved: 31 pieces
9. Relative humidity: ≤85%
10. Power supply: AC 220V±5%, 50 Hz
11. Overall dimension: 600mm*460mm*430mm

XRY-1A+ Oxygen Bomb Calorimeter

Summary:

The instrument is designed and made as per the National Standard of People's Republic of China GB/T213-2008 Test Method for Calorific Value of coal, GB/T384-1988 Test Method for Calorific Value of Petroleum Products and Calibration Regulation of People's Republic of China JJG672-2001 Oxygen Bomb Calorimeter, as well as Enternprise Standard of Shanghai Q/YXYY 10 XRY Series Oxygen Bomb Calorimeter.

I. Main technical features

1.The instrument adopts technology of single chip machine, LCD screen, high accuracy temperature sensor and high performance A/D conversion device. It is a highly intelligent instrument.

2.The test procedure is fully automatic. After placing the sample and inputting the right parameters, the instrument will finish all the procedures without manual interference. It will print the test data directly after test is over.

3.This instrument adopts sealed oxygen bomb. The whole structure adopts stainless steel material.The strength is enough to resist 20MPa hydrostatic test under room temperature.

II. Main technical specifications and parameters

1. Heat capacity: 14000 J/K ~ 15000 J/K

2. Measuring range: (10 ~ 35)°C

3. Resolution: 0.001 K

4. Measurement accuracy: ± 60J/g

5. Repeatability error: ≤0.2% (Grade C)

6. Pressure endured of oxygen bomb: 20 MPa

7. Temperature measurement range: 10°C~28°C

8. Relative humidity: ≤85%

9. Power supply: AC 220V±5%, 50 Hz

10.Overall dimension: 600mm*480mm*460mm

 (Note: The press machine is optional accessory)

FREEZE-DRYING SYSTEM

Freeze-drying machine applies a technical method by which moisture-bearing samples frozen in advance become dry in the vacuum owing to vaporizing away the moisture. The samples frozen can be well- storage for a long time and returned to their former state once being watered without losing their original biochemical properties. The freeze-drying technology is especially ideal for those bio-products sensitive to antibiotic, vaccines, blood products, enzymes and hormones. This machine is also suitable for sample freezing experiments in labs and small-scale production.

The Series can be divided into four type: Ordinary, Top-Press, Ordinary Multi-Manifolds, Top-Press Multi-Manifolds, T-Frame, with Pre-Freeze Function.

Characteristics:
1. Accord with international standards of Green environmental friendly.
2. 7" True-color Touch Screen, Chinese English Bilingual Interface, display drying curve and history curve;
3. Udisk Can store agelyophilized data;
4. Upload software can print curve;
5. Embedded cir cuit design, 128 M FLASH, can save dozen times Lyophilized data;
6. Large opening trap, no coil inside, with samples pre-freeze function
7. Imported refrigeration compressor, low noise
8. Cold trap and control panel were made by stainless steel, corrosion-resistant, easy to clean
9. Transparent Bell type drying room, secure and ocular
10. Stainless steel sample holder, common sample plate spacing adjustable
11. Small size and easy to operate
12. N itrogen inflation valve within

10N-Top-press-Multi-Pipeline

10N-Ordinary

10N-Ordinary-Multi-Pipeline

10N-Top-press

Ultrasonic Homogenizer Scientz-09L/Scientz-11L
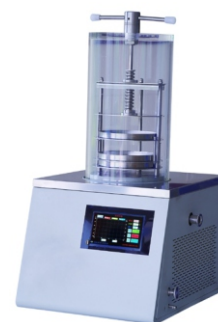
Scientz-09L/Scientz-11L (Scientz-09/Scientz-11 is digital display, other spec is same)

Spec:
1) Digital display (09L & 11L is LCD display, 09 & 11 is LED display.
2) No contact with any parts of the instrment.
3) No pollution.
4) No damage.
5) No temperature-rise.

Ultrasonic Homogenizer (Lab Blenders):
1. It is used in the homogenization treatment for animal tissue and biological samples,also used for the following testing areas:food,pharmaceutical,cosmetic,clinics molecule,toxin and bacteria,particularly suitable for preparation of micro-organism testing samples.
2. The divice is made of stainless steel and effectively separate the surface of solid sample from a sample with germs inside.
3. The samples are packed in germfree disposable homogenization bags,and thus is in no contact with any parts of the instrument.It has such feature as soft homogenization,no pollution,no damage,no temperature-rise,no sterilizing treatment,no need to wash the utensils,so as to meet the requirements for being fast,accurate and repreatable.
4. The time for homogenization could be prolonged when necessary,to achieve a soft broken.

Main Technical Parameters:
1. Sample chamber temperature:Ambient temperature-50°C
2. Setting range:0°C-60°C,Display the temperature in the box 3. Disinfection function:Light disinfection in rattling box,The working chamber can be pre-sterilized(Single-disinfection cycle 5 min,disinfection wavelength 253.7nm)
4. Maximum Power:500W 5. Effective Volume:3~400ml
6. Slap Box: Stainless steel
7. Supply:220V/50Hz
8. Rattling Spacing:0-5mm adjustable
9. Sterile bag:17*30cm
10. Soft-start mode:Gengle start
11. Dimesions:420*245*340mm
12. Weight:18.5kg
13. Pause Function:To sure sample security with anto-stop anti-trap feature,removable windows and adjustable slap board,toughened glass security door.
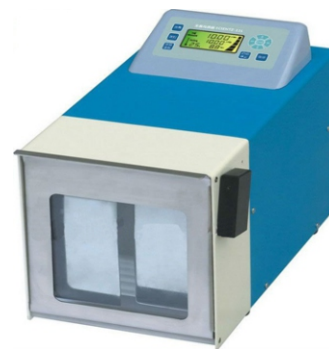
Ultrasonic Homogenizer Scientz-IID

Description: As a new type of Ultrasonic Homogenizer, it enjoys complete functions, novel appearance and reliable performance. It has a large-screen display and concentrated control by a central computer. The ultrasonic time and power can be set accordingly. Besides, such functions as sample temperature display, actual frequency display, computerized tracking and automatic trouble warning can all be displayed in the large LCD screen.

Features:
1. Novel design, Complete-function, High efficiency and low cost laboratory homogenizer.
2. Reliable ability, Large LCD digital display, Fully microprocessor controlled and completely programmable.
3. Auto-tuning for convenience use and optimal processing efficiency.
4. Temperature indicator and controller, Time setting.
5. Power-emitted display for accuracy and repeatability, Variable power output (0-950W).
6. Actual frequency display and computerized tracking.
7. Automatic trouble warning system.
8. Integrated Sound Abating Chamber to reduce cavitational sound emitted during processing.

Spec:

MODEL	Scientz - IID
Frequency	20-25KHz
Power	950W
Accompany(Ø)	Ø6
Optional Tip (Ø)	Ø2,3,10,15
Processing Volume	0.5-600ml
Duty Ratio (%)	0.1-99.9%
Supply	220/110V 50Hz/60Hz
Features	Using PWM control switching power supply. Power continuously adjustable. Stability. Can store 50 experimental parameters sets.
Power supply chassis Size and Weight	400*280*220mm, 12.2 Kg
Mainframe Weight	14.3kg
Speaker compartment Size & weight	275*250*480 (mm) 8.04Kg
Packing Size	534*295*435mm

Ultrasonic Homogenizer SCIENTZ-IIE

It has a large-screen display and concentrated control by a central computer with RS485 Connector.

 Description: As a new type of Ultrasonic Homogenizer, it enjoys complete functions, novel appearance and reliable performance. It has a large-screen display and concentrated control by a central computer with RS485 Connector. The ultrasonic time and power can be set accordingly. Besides, such functions as sample temperature display, actual frequency display, computerized tracking and automatic trouble warning can all be displayed in the large LCD screen.

Spec:

MODEL	SCIENTZ-IIE	Frequency Range:	20-25KHz track automatically
Adjustable Frequency	2-99% Adjustable continuous	Working Time	0-999(s/m/h/t)
Interval Time	0.1-99.9s	Time Counting	Positive /Negative sequence
Temperature Protection Set	YES	Ultrasound Time	0.1-99.9s
Power Amplitude Display	YES	Working Mode	Interval/continuous/Manual
Connector	RS485	Sound Abating Chamber	300*300*580mm
Dimensions Size	400*200*280mm	Accompany Tip	Ø6mm
Power	950W	Optional Tip	Ø2,3,10mm
Capacity	0.5-600ml		

+2°C ~ +10°C Medical Refrigerator

Model: YC-260/300L

Control System:
∗ Microprocessor controller, temperature ranging from +2°C to +10°C, can be set freely, controlling precision1°C, display accuracy 0.1°C. Room temperature ranging from 0°C to32°C
∗ Combined with two exact sensors and auto defrost.
∗ Audible and visual alarm: High or low temperature alarm, Door open alarm, Sensor failure alarm
∗ Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
∗ Upright type, Exterior made from structural plate, interior made from ABS material. Four units Caster are mounted under the bottom
∗ Two-layer glass door, and inert gas inside. and lockable
∗ Interior fluorescent lighting
∗Adjustable 5-6units shelves made of quality steel wire.
∗ Optional : temperature printer or chart recorder

Refrigeration System:
∗ International famous compressor and Germany EBM fan motor
∗ Forced air circulation system.
∗ Refrigerant as R134a, CFC free
∗ Highly effective condenser and expansile evaporator to provide quick freezing
∗ Certificate:CE(YC-300L),

For Africa marketr special design: holdover time to +10°C at ambient temperature +35°C at least 4hours.

Spec:

Model	Capacity	External size. (WxDxH) mm	Inside size (WxDxH) mm	Input power	Weight (N.t / G.t)
YC-260L	260 L	590*603*1556	445*525*1070	215W	80/90Kg
YC-300L(CE Mark)	300 L	590*603*1728	445*530*1265	215W	90/100 Kg

Model: YC-968L

Control System:
Microprocessor controller, temperature ranging from +2°C to +10°C, can be set freely, controlling precision 1°C, display accuracy 0.1°C. Room temperature ranging from 0°C to 32 °C
Combined with two exact sensors and anto defrost.
Audible and visual alarm: High or low temperature alarm, Door ajar alarm, sensor failure alarm, power failure alarm, low battery alarm.
Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
Upright type, Exterior and interior all made from stainless steel. Four units Caster are mounted under the bottom
Double glass door with heater around to prevent ice leak., and lockable.
Interior fluorescent lighting
Eight units shelves made of quality steel wire.
Temperature printer is standard , Optional chart recorder, blood storage basket.

Refrigeration System:
Germany Danfoss compressor and EBM fan motor
Forced air circulation system.
Refrigerant as R134a, CFC free
Highly effective condenser and expansile evaporator to provide quick freezing

Spec:

Model	Capacity	External size. (W*D*H) mm	Inside size (WxDxH) mm	Input power	Weight (N.t / G.t)
YC-968L	968L	780*1200*1894	600*1100*1400	700W	120/140 Kg

+2°C ~ +10°C Medical Refrigerator

Model: YC-1500L
  The Medical Refrigerator is a speciaized refrigerating equipment for cold storage of pharmaceuticals as well as biological products. It is suitable for hospitals,drugstore,pharmaceutical factories,sanitstion and antiepidemic stations and clinics.

Control System:
∗ Microprocessor controller, temperature ranging from +2°C to +10°C, can be set freely, controlling precision 1°C,display accuracy 0.1°C. Room temperature ranging from 0°C to 32°C
∗ Combined with two exact sensors and auto defrost.
∗ Audible and visual alarm: High or low temperature alarm, Door open alarm, Sensor failure alarm
∗ Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
∗ Upright type, Exterior made from structural plate, interior made from ABS material. Four units lockable Caster are mounted under the bottom
∗ Two-layer glass door, and inert gas inside. and lockable
∗ Interior fluorescent lighting
∗Adjustable 12 units shelves made of quality steel wire.
∗ Optional : temperature printer or chart recorder

Refrigeration System:
∗ International famous compressor and Germany EBM fan motor
∗ Forced air circulation system.
∗ Refrigerant as R134a, CFC free
∗ Highly effective condenser and expansile evaporator to provide quick freezing

Spec:

Model	Capacity	External size.(WxDxH) mm	Inside size (WxDxH) mm	Input power	Weight (N.t / G.t)
YC-1500L	1500L	780*1200*1894	600*1100*1400	900W	150/170 Kg

+4°C Blood Bank Refrigerator

Model:XC-240L/280L

Control System:
* Microprocessor-based temperature controller, temperature range 4±1°C, Large screen LCD display of temperature, display accuracy of 0.1°C. Room temperature ranging from 0°C to 32°C
* Automatic temperature control, Defrost automatic.
* Digital display of upper and lower temperature, two sensors.
*Perfect Audible/visual alarm system: H igh/low temperature alarm, Door open alarm, System failure alarm
* Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
* Upright type, Exterior made from structural plate, interior made from ABS material. Four units Caster are mounted under the bottom
* Two-layer transparent door with inert gas inside, and lockable
Interior fluorescent lighting
* Adjustable 5-6units shelves made of quality steel wire.
* Temperature printer is standard, Optional chart recorder, blood storage basket.

Refrigeration System:
* International Famous compressor and EBM fan motor
* Forced air circulation system
* The high-effective air-cooled condenser and the fin-type evaporator
* Refrigerant as R134a, CFC free

Spec:

Model	Capacity	External size.(W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t / G.t)
XC-240L	240 L	615*605*1615	445*525*1070	500	80/90 Kg
XC-280L	280 L	615*605*1780	445*530*1265	500	90/100 Kg

Model:XC-88/268/358/588L

Control System:
* Microprocessor-based temperature controller. Temperature range 4±1°C , with temperature printer standard.
* Large screen LCD display of temperature, display accuracy of ±0.1°C.
* Automatic temperature control, Defrost automatic
* Audible and visual alarm: High or low temperature alarm, Door ajar alarm, system failure alarm, power failure alarm, low battery alarm.
* Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
* Upright type, Exterior made from painted steel plate, Inside is stainless steel. Four units Caster are mounted under the bottom
* Three-layer glass door with heater around to prevent ice leak., and lockable.
* Interior fluorescent light
* Inner is shelves (wire plastics). 3units for XC-88L, 4units for XC-268L, 5units for XC-358L, 6units for XC-588L, 8units for XC-950L.
* Temperature printer is standard, Optional chart recorder, blood storage basket.

* Refrigeration System:
* Forced air circulation system
* International Famous compressor and Germany EBM fan motors
* The high-effective air-cooled condenser and the fin-type evaporator
* Refrigerant as R134a, CFC free
* Certificate: CE mark

Spec:

Model	Capacity (L)	External size (D*W*H)	Interior size (D*W*H)	Blood Capacity	Weight (KG)
XC-888L(CE)	88	500*450*1515	402*343*663	450ml/bag*40-50/bags	90/100
XC-268L(CE)	268	700*628*1662	512*518*973	450ml/bag*100-140/bags	160/170
XC-358L(CE)	358	700*628*1962	512*515*1270	450ml/bag*180-220/bags	200/210
XC-588L(CE)	588	800*760*1977	550*560*1260	450ml/bag*250-300/bags	230/240
XC-950L(CE)	950L	780*1200*1894	600*1100*1400	450ml/bag*350-400/bags	120/140

XC-88 With recorder

+4°C Blood Bank Refrigerator

Model: XC-950L

Control System:
* Microprocessor controller, temperature is 4 ±1°C, can be set freely, controlling precision 1°C, display accuracy 0.1°C. Room temperature ranging from 0°C to 32°C.
* Combined with two exact sensors and anto defrost.
* Audible and visual alarm: High or low temperature alarm, Door ajar alarm, sensor failure alarm, power failure alarm, low battery alarm.
* Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
* Upright type, Exterior and interior all made from stainless steel. Four units Caster are mounted under the bottom
* Double glass door with heater around to prevent ice leak., and lockable.
* Interior fluorescent lighting
* Eight units shelves made of quality steel wire.
* Temperature printer is standard , Optional chart recorder, blood storage basket.

Refrigeration System:
* Germany Danfoss compressor and EBM fan motor
* Forced air circulation system.
* Refrigerant as R134a, CFC free
* Highly effective condenser and expansile evaporator to provide quick freezing
* Certificate: CE

Spec:

Model	Capacity	External size.(W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t / G.t)
XC-950L	950L	780*1200*1894	600*1100*1400	700W	120/140 Kg

Model:XC-1380

Control System:
* Two Microprocessor-based temperature controller as individual control. Temperature range 4±1°C, with temperature printer standard.
* Completely independent double refrigeration cycle system,
* Double microprocessor-based temperature controller, main system and back up
* System can be optional changed as users' prefer.
* Large screen LCD display of temperature, display accuracy of ±0.1C.
* Automatic temperature control, Defrost automatic
* Audible and visual alarm: High or low temperature alarm, Door ajar alarm,
* System failure alarm, power failure alarm, low battery alarm.
* Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
* Upright type, Exterior made from painted steel plate , Inside is stainless steel.
* Four units Caster are mounted under the bottom
* Three-layer glass door with anti-condensation heater , and lockable.
* Interior fluorescent light
* Inner is 12 drawers made of stainless steel.
∗ Temperature printer is standard,with back up battery , Optional chart recorder.

Refrigeration System:
* Forced air circulation system
* 2 International Famous compressor and Germany EBM fan motors
* 2 high-effective air-cooled condensers and 2 fin-type evaporators
* Refrigerant as R134a, CFC free

Spec:

Model	Capacity	External size.(W*D*H) mm	Input power	Weight (N.t/G.t)
XC-1380L	1380L	855*1558*1985	1000W	300/335Kg

-10°C ~ -25°C Low Temperature Freezer

Model: DW-YL270/450

Control System:
Microprocessor temperature controller, Temperature range: from -10°C to-25°C, can be set freely. LCD display, to make clear the temperature information
Perfect audible/visual alarm: High or low temperature alarm, system failure alarm
Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
Upright type, ABS material interior, Outer body is painted steel board.
the safety lock on the door, with door handle
4 units Caster provided for easy handing
7-12units drawers made of plastic inside.
Optional: chart recorder

Refrigeration System:
The international famous compressor and EBM fan motor.
Refrigerant as R507, CFC free

Spec:

Model	capacity	External size (W*D*H)mm	Inside size(W*D*H)mm	Input power	Weight (Nt/Gt)
DW-YL270	270liters	700*600*1750	440*400*1490	370W	65/70
DW-YL450	450liters	655*780*1845	530*626*1356	450W	120/140

Model: DW-YW110/166/196/226/358/508A

Control System:
Microprocessor-based temperature controller, temperature from -10°C to -25°C, can be set freely, Digital temperature display.
Delayed start and safe stop interval between restart and being terminated
Audible/visual alarm for high or low temperature alarm,system failure alarm.
Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
Chest type, Outer body is painted steel board, inside is aluminium panel.
Top door with key lock.
One unit basket made of steel wire are convenient to store articles
Four units Casters for easy handing

Refrigeration System:
Quick freezing switch to make fast cooling.
Famous good quality compressor and Germany EBM fan motor
Refrigerant as R134a, CFC free

Spec:

Model	Capacity	External size (W*D*H) mm	Inside size (W*D*H)mm	Input power	Weight (N.t / G.t)
DW-YW110A	110 Liters	549*549*845	410*410*654	145W	30Kg/40kg
DW-YW166A	166 Liters	556*906*937	430*780*480	160W	45kg/55kg
DW-YW196A	196 Liters	556*1056*937	430*930*480	180W	50kg/60kg
DW-YW226A	226 Liters	556*1206*937	430*1080*480	207W	55kg/65kg
DW-YW358A	358 Liters	730*1204*968	530*1080*625	320W	80kg/90kg
DW-YW508A	508 Liters	730*1554*968	530*1400*685	375W	100kg/110kg

-10°C ~ -40°C Low Temperature Freezer

Model: DW-FL90/270

Control System:
* Microprocessor temperature controller, temperature range: from -10°C.to-40°C, can be set freely. LCD display, to make clear the temperature functions.
* Perfect audible/visual alarm: High or low temperature alarm, system failure alarm
* Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
* Upright type, ABS material interior, Outer body is painted steel board.
* The safety lock on the door, with door handle,
* 4 units Caster provided for easy handing
* 4-7units drawers made of plastic inside.
* Optional: chart recorder

Refrigeration System:
* The Danfoss compressor and EBM fan motor from Germany.
* Refrigerant as R507, CFC free
* Certificate: CE

Spec:

Model	capacity	External size (W*D*H)mm	Inside size(W*D*H mm)	Input power	Weight (Nt/Gt)
DW-FL90(CE)	90 Liters	623*544*842	438*388*539	280W	45/50
DW-FL270 (CE)	270liters	700*600*1750	440*400*1490	370W	65/70

Model: DW-FL208
Control System:
* Microprocessor-based temperature control allows independent control of temperature in the upper room and lower room within -25°C to -40°C, and can be set freely. LCD display, to make clear the temperature information
* Audible/visual alarm: High or low temperature alarm, system failure alarm
* Password protected configuration page
* Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
* Upright type,Outer steel panel painted, interior is stainless steel. Beautiful appearance, luxurious and elega
* Double sealing door with lock. With 2units door handle
* Upper/down room with 2 units adjustable shelves each, total 6 chambers. with inner door
4 Casters provided for easy handing

Refrigeration System:
* 2 units Danfoss compressor for separate room and EBM fan motor from Germany
* Refrigerant as R507 , CFC free
Unique refrigeration circulation technology

Spec:

Model	capacity	External size (W*D*H)mm	Inside size (W*D*H)mm	Input power	Weight (Nt/Gt)
DW-FL208	208liters	623*604*1775	397*368*781 397*368*413	370W	90/95

Model: DW-FL262/362

Control System:
Microprocessor-based temperature controller, Temperature range from -10°C.to-40°C. can be set freely. LCD display.
Audible/visual alarm for high or low temperature alarm.
Password protected configuration page
Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
Upright type,Outer steel panel painted, interior is stainless steel.
Door with safety lock. Rotatable sure-grip door handle
Adjustable 4 units shelves (wire steel).
4 Casters provided for easy handing
Optional: chart recorder.

Refrigeration System:
Danfoss compressor and EBM fan motor from Germany
Special refrigeration circulation technology.
Refrigerant as R507, CFC free

Spec:

Model	Capacity	External size. (W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t / G.t)
DW-FL262	262 L	930*731*1227	580*426*1036	300	86/92 Kg
DW-FL362	362 L	930*731*1627	658*426*1290	400	102/110 Kg

Model: DW-FL531

Control System:
Microprocessor-based temperature controller, -10°C to -40°C, can be set freely , controlling precision is 1°C, Digital temperature display
Keyboard lock and password protected configuration page,Delayed start and safe stop interval between restart and being terminated
Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm, Door open alarm, Filter blocking alarm, system failure alarm
Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
Upright type, Stainless steel interior, Outer is painted steel panel.110mmfoaming insulation, 4units Casters for easy handing
Front opening lockable door with full height handle,.Vacuum release port
Adjustable 3 stainless steel shelves with inner door, double silicon gasket seal.
with temperature printer, record 7days data. 72 hour battery back up for printer and controller display.
Optional: Chart recorder, CO2 back up, storage racks/boxes, Remote alarm system.

Refrigeration System:
Imported Danfoss compressor, Tow compressors in parallel connection, to reduce noise and improve the cooling temperature come to -40°C steady.
Fan electromotor with internationally famous of Germany EBM
Unique refrigeration circulation and unipolar compressor oil-lubricated technology
China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R410A,N2 and so on, CFC free
Certificate:CE

Spec:

Model	Capacity	External size.(W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t / G.t)
DW-FL531 (CE)	531 Liters	940*840*1999	600*662*1330	1000W	235/250Kg

-10°C ~ -40°C Low Temperature Freezer

Model: DW-FW110/251/351

Control System:
* Microprocessor-based temperature controller. temperature from -10°C to -40°C,can be set freely, Digital temperature display.
* Delayed start and safe stop interval between restart and being terminated
* Audible/visual alarm for high or low temperature alarm,system failure alarm.
* Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
* Chest type, Outer body is painted steel board, inside is stainless steel (DW-FW110 is aluminum inside). Top door with key lock.
* 90mm foaming insulation
* One unit basket made of steel wire are convenient to store articles
* Four units Casters for easy handing

Refrigeration System:
Quick freezing switch to make fast cooling.
Famous good quality compressor and Germany EBM fan motor
Refrigerant as R507, CFC free

Spec:

Model	Capacity	Storing temperature	Input power	External size	Inside size	Weight(kg)
DW-FW110	110		260	549*549*845	410*410*654	34/38
DW-FW251	251	-10C ~-40C	265	730*1204*968	430*1050*556	86/90
DW-FW351	351		300	730*1554*968	430*1300*627	102/110

-10°C ~ -65°C Ultra Low Temperature Freezer

Model: DW-GW138/328/438

Control System:
* Microprocessor-based temperature controller, -10°C to -65°C can be set freely , controlling precision is 1°C, Digital temperature display.
* Keyboard lock and password protected configuration page,Delayed start and safe stop interval between restart and being terminated
* Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm,Door open alarm, Filter blocking alarm, system failure alarm.
* With temperature printer, record 7days data. 72 hour battery back up for printer and controller display.
* Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ.

Structure Design:
* Chest type, Stainless steel interior, outer is painted steel panel, 4units Casters for easy handing
* Rotatable assistant door handle,Top door with key lock.
* Two-times foaming technology, double seal design.155mmextra thickness heat insulation.
* Optional: Chart recorder, CO2 back up, storage racks/boxes, Remote alarm system.

Refrigeration System:
* Imported Danfoss compressor, Fan electromotor with Germany EBM
* Unique refrigeration circulation and unipolar compressor oil-lubricated technology
* China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R410A,N2 and so on, CFC free

Spec:

Model	Capacity	External size. (W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t / G.t)
DW-GW138	138 liters	890*1320*1009	470*570*490	800W	230/250KG
DW-GW328	328 liters	890*2005*1009	470*1200*582	1500W	300/320KG

-10°C ~ -65°C Ultra Low Temperature Freezer

Model: DW-GL100/218/328/388/538/668/768/828

Control System:
Microprocessor-based temperature controller, -10°C to -65°C can be set freely, controlling precision is 1°C, Digital temperature display.
Keyboard lock and password protected configuration page,Delayed start and safe stop interval between restart and being terminated
Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm, Door open alarm, Filter blocking alarm, system failure alarm.
Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ.

Structure Design:
Upright type , Stainless steel interior, Outer is painted steel panel, 4units Casters for easy handing
Front opening lockable door with full height handle, with Vacuum release port
Adjustable 2-3 stainless steel shelves with inner door, double silicon gasket seal.
Two-times foaming technology. 100-155mmfoaming insulation , with VIP+.
With temperature printer, record 7days data. 72 hours battery back up for printer and controller display.
Optional: Chart recorder, CO2 back up system, storage racks/boxes, Remote alarm system.

Refrigeration System:
Imported Danfoss compressor, Tow units compressors in parallel connection, to reduce noise and improve the cooling temperature come to-65   steady.
Fan electromotor with internationally famous of Germany EBM
Unique refrigeration circulation and unipolar compressor oil-lubricated technology
China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R410A,N2 and so on, CFC free

Spec:

Model	Capacity	External size. (W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t/G.t)
DW-GL100	100 liters	720x793x1000	450*450*500	800W	120/140KG
DW-GL218	218 liters	940x840x1552	582x470x768	1000W	225/250KG
DW-GL328	328 liters	940x840x1999	580x450x1200	1500W	320/350KG
DW-GL388	388 liters	940x840x1999	740x450x1200	1800W	330/360KG
DW-GL538	538 liters	940x840x1999	662x600x1330	2000W	360/380KG
DW-GL668	668 liters	996x1075x1997	815x667x1200	2700W	400/420KG
DW-GL768	768liters	996x1190x1997	930x665x1200	2700W	420/450KG

Model: DW-HL100/218/328/388/538/668/768/828

The Ultra-low Temperature Freezer offers a wide variety of research and storage applications,such as low temperature scientific experiments,preservation of plasma,biomaterial,tunny, biological product,and testing low-temperature-resistant properties of military product.It is suitable for blood bank,hospitals,sanitation and antiepidemic,sanitation,research institutes,electronic industries,university laboratories,military in dustries,pelagic fishery companies.

Control System:
  Microprocessor-based temperature controller, -10°C to -86°C can be set freely , controlling precision is 1°C, Digital temperature display.
  Keyboard lock and password protected configuration page,Delayed start and safe stop interval between restart and being terminated
  Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm, Door open alarm, Filter blocking alarm, system failure alarm.
  Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ.

Structure Design:
Upright type , Stainless steel interior, Outer is painted steel panel, 4units Casters for easy handing
Front opening lockable door with full height handle, with Vacuum release port
Adjustable 2-3 stainless steel shelves with inner door, double silicon gasket seal.
Two-times foaming technology. 100-155mm foaming insulation , with VIP+.
With temperature printer, record 7days data. 72 hour battery back up for printer and controller display.
Optional: Chart recorder, CO2 back up system, storage racks/boxes, Remote alarm system.

Refrigeration System:
Imported Danfoss compressor, Tow units compressors in parallel connection, to reduce noise and improve the cooling temperature come to -86 steady.
Fan electromotor with internationally famous of Germany EBM
China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R410A,N2 and so on, CFC free

Spec:

Model	Capacity	External size. (W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t/G.t)
DW-HL100 (CE)	100 liters	720*793*1000	450*450*500	800W	120/140KG
DW-HL218 (CE)	218 liters	940x840x1552	582x470x768	1000W	225/250KG
DW-HL328 (CE)	328 liters	940x840x1999	580x450x1200	1200W	320/350KG
DW-HL388 (CE)	388 liters	940x840x1999	740x450x1200	1200W	330/360KG
DW-HL538 (CE)	538 liters	940x840x1999	662x600x1330	1500W	360/380KG
DW-HL668 (CE)	668 liters	996x1075x1997	815x667x1200	1500W	400/420KG
DW-HL768 (CE)	768liters	996x1190x1997	930x665x1200	1500W	420/450KG
DW-HL828 (CE)	828liters	1230x996x2056	930x710x1308	2000W	430/460KG

-10°C ~ -86°C Ultra Low Temperature Freezer

Model: DW-HL508

Control System:
Double microprocessor-based temperature controller, -10°C to -86°C, can be set freely and control each room separately , controlling precision is 1°C, Digital temperature display.
Keyboard lock and password protected configuration page,Delayed start and safe stop interval between restart and being terminated
Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm, Door open alarm, Filter blocking alarm, system failure alarm.
Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ.

Structure Design:
Upright type , double door for up and down rooms.
Stainless steel interior, Outer is painted steel panel, 4units Casters for easy handing
Front opening lockable door with full height handle, with Vacuum release port
Adjustable 1 stainless steel shelves with inner door for each room, double silicon gasket seal.
Two-times foaming technology.110mmfoaming insulation , with VIP+.
With temperature printer, record 7days data. 72 hour battery back up for printer and controller display.
Optional: Chart recorder, CO2 back up system, storage racks/boxes, Remote alarm system.

Refrigeration System:
Double cooling system to support different rooms separately and independently. If one system damage, another one can work normally.
Imported Danfoss compressor and EBM fan motor.
China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R410A,N2 and so on, CFC free

Spec:

Model	Capacity	External size. (WxDxH) mm	Inside size (WxDxH) mm	Input power	Weight (N.t / G.t)
DW-HL508	508 liters	1200x882x2011	Up:880*500*516+880x70x464 Down: 880x500x516+880x14x440	1800W	320/340KG

Model: DW-HW50

Control System:
Microprocessor-based temperature controller from Carel, -10°C to -86°C, can be set freely , controlling precision is 1°C, Digital temperature display.
Audible and visual alarm: High or low temperature alarm, system failure alarm.
Delayed start and safe stop interval between restart and being terminated
Power supply: Normally 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ.

Structure Design:
Chest type
Stainless steel interior, outer is painted steel panel
Top door with key lock.
90mm extra thick heat insulation.
4 units Casters for easy handing
Optional: CO2 back up system, Basket

Refrigeration System:
Danfoss compressor (1unit)with Germany EBM fan motor
Quick freezing switch, 3 hours cooling temperature come to -86°C
China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R24,N2,R600aand more, CFC free
Certificate:CE

Spec:

Model	Capacity	External size (W*D*H) mm	Inside size (W*D*H)mm	Input power	Weight (N.t / G.t)
DW-HW50 (CE)	50 Liters	600*560*910	343*343*415	300W	60Kg/66kg

-10°C ~ -86°C Ultra Low Temperature Freezer

Model: DW-HW138/328/438/668

Control System:
Microprocessor-based temperature controller, -10°C ~ -86°C can be set freely , controlling precision is 1°C, Digital temperature display.
Keyboard lock and password protected configuration page,Delayed start and safe stop interval between restart and being terminated
Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm,Door open alarm, Filter blocking alarm, system failure alarm.
With temperature printer, record 7days data. 72 hour battery back up for printer and controller display.
Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ.

Structure Design:
Chest type, Stainless steel interior, outer is painted steel panel, 4units Casters for easy handing
    Rotatable assistant door handle,Top door with key lock.
Two-times foaming technology, double seal design. 155mm extra thickness heat insulation.
Optional: Chart recorder, CO2 back up, storage racks/boxes, Remote alarm system.

Refrigeration System:
Imported Danfoss compressor, Fan electromotor with Germany EBM Unique refrigeration circulation and unipolar compressor oil-lubricated technology China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R410A,N2 and so on, CFC free

Spec:

Model	Capacity	External size.(W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight(N.t/G.t)
DW-HW138	138 liters	890*1320*1009	470*570*490	800W	230/250KG
DW-HW328	328 liters	890*2005*1009	470*1200*582	1500W	300/320KG
DW-HW438	438liters	890*2005*1009	540*1270*590	1500W	320/340KG
DW-HW668	668liters	1150*2050*1009	815*1200*660	2500W	340/360KG

-10°C ~ -105°C Ultra Low Temperature Freezer

Model: DW-MW138/328

Control System:
Microprocessor-based temperature controller, -10°C~-105°C, can be set freely, controlling precision is 1°C, Digital temperature display.
Keyboard lock and password protected configuration page,Delayed start and safe stop interval between restart and being terminated
Audible and visual alarm: High or low temperature alarm, Power failure alarm,   Low battery alarm,Door open alarm, Filter blocking alarm, system failure alarm.
with temperature printer, record 7 days data. 72 hour battery back up for printer and controller display.
Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ.
Structure Design:
Upright/Chest type, Stainless steel interior, outer is painted steel panel, 4units Casters for easy handing. 3units stainless steel shelves for upright type..
Rotatable assistant door handle,Top door with key lock.
Two-times foaming technology, double seal design.155mmextra thickness heat insulation.with VIP+.
Optional: Chart recorder, LN2 back up, storage racks/boxes, Remote alarm system.

Refrigeration System:
Imported Danfoss compressor, Fan electromotor with Germany EBM
Unique refrigeration circulation and unipolar compressor oil-lubricated technology
China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R410A,N2 and so on, CFC free

Spec:

Model	Capacity	External size. (W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t/G.t)
DW-MW328	328 liters	890*2005*1009	470*1200*582	1800W	300/320KG
DW-ML328	328 liters	940*840*1999	580*450*1200	1800W	320/350KG

-90°C ~ -135°C Ultra Low Temperature Freezer

Model: DW-LW128/258

Control System:
Microprocessor-based temperature controller, -90°C to -135°C, can be set freely , controlling precision is 1°C, Digital temperature display.
Keyboard lock and password protected configuration page,Delayed start and safe stop interval between restart and being terminated
Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm,Door open alarm, Filter blocking alarm, system failure alarm.
With temperature printer, record 7days data. 72 hour battery back up for printer and controller display.
Power supply: Normally 380V /50HZ 3 phase, can be changed as 220V 50/60HZ 1phase.

Structure Design:
Chest type, Stainless steel interior, outer is painted steel panel, 4units Casters for easy handing
Rotatable assistant door handle,Top door with key lock.
Two-times foaming technology, double seal design.155mmextra thickness heat insulation.
Optional: Chart recorder, LN2 back up, storage racks/boxes, Remote alarm system.

Refrigeration System:
Imported famous Tecumseh compressor, with Germany EBM Fan motor
Unique refrigeration circulation and unipolar compressor oil-lubricated technology
China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R410A,N2 and so on, CFC free

Spec:

Model	Capacity	External size. (W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t / G.t)
DW-LW128	128 liters	880*1590*1040	370*600*550	2200W	230/250KG
DW-LW258	258 liters	890*2005*1009	410*1140*552	3000W	300/320KG

-110°C ~ -152°C Ultra Low Temperature Freezer

Model: DW-UW128/258

Control System:
Microprocessor-based temperature controller, -110°C to -152°C, can be set freely, controlling precision is 1°C, Digital temperature display.
Keyboard lock and password protected configuration page,Delayed start and safe stop interval between restart and being terminated
Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm,Door open alarm, Filter blocking alarm, system failure alarm.
With temperature printer, record 7days data. 72 hour battery back up for printer and controller display.
Power supply: Normally 380V /50HZ 3 phase, can be changed as 220V 50/60HZ 1phase.

Structure Design:
Chest type, Stainless steel interior, outer is painted steel panel, 4units Casters for easy handing
Rotatable assistant door handle,Top door with key lock.
Two-times foaming technology, double seal design.155mmextra thickness heat insulation.
Optional: Chart recorder, LN2 back up, storage racks/boxes, Remote alarm system.

Refrigeration System:
Imported famous Tecumseh compressor, with Germany EBM Fan motor
Unique refrigeration circulation and unipolar compressor oil-lubricated technology
China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R410A,N2 and so on, CFC free
Certificate: CE

Spec:

Model	Capacity	External size. (W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t / G.t)
DW-UW128	128 liters	880*1590*1040	370*600*550	2600W	230/250KG
DW-UW258	258 liters	890*2005*1009	410*1140*552	3000W	300/320KG

-120°C ~ -164°C Ultra Low Temperature Freezer

Model: DW-ZW128

Control System:
Microprocessor-based temperature controller, -120°C ~ -164°C can be set freely , controlling precision is 1°C, Digital temperature display.
Keyboard lock and password protected configuration page,Delayed start and safe stop interval between restart and being terminated
Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm,Door open alarm, Filter blocking alarm, system failure alarm.
With temperature printer, record 7days data. 72 hour battery back up for printer and controller display.
Power supply: Normally 380V /50HZ 3 phase, can be changed as 220V 50/60HZ 1phase.

Structure Design:
Chest type, Stainless steel interior, outer is painted steel panel, 4units Casters for easy handing
Rotatable assistant door handle,Top door with key lock.
Two-times foaming technology, double seal design.155mmextra thickness heat insulation.
Optional: Chart recorder, LN2 back up, storage racks/boxes, Remote alarm system.

Refrigeration System:
Imported famous Tecumseh compressor, with Germany EBM Fan motor
Unique refrigeration circulation and unipolar compressor oil-lubricated technology
China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R410A,N2 and so on, CFC free
Certificate: CE

Spec:

Model	Capacity	External size. (W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t / G.t)
DW-ZW128 (CE)	128 liters	880*1590*1040	370*600*550	3600W	230/250KG

-10°C ~ -86°C Blast Freezer

Model: DW-HW258SD

Freezing the single blood plasma and fresh blood quickly, also quickly freezing the cruor gene VIIII, Ensure it actively.

Control System:
Microprocessor-based temperature controller, -10°C to -86°C, can be set freely , controlling precision is 1°C, Digital temperature display.
Keyboard lock and password protected configuration page,Delayed start and safe stop interval between restart and being terminated
Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm,Door open alarm, Filter blocking alarm, system failure alarm.
With temperature printer, record 7days data. 72 hour battery back up for printer and controller display.
Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ.

Structure Design:
Chest type, Stainless steel interior, outer is painted steel panel, 4units Casters for easy handing
Rotatable assistant door handle,Top door with key lock.
Two-times foaming technology, double seal design.155mmextra thickness heat insulation.
Optional: Chart recorder, CO2 back up, storage racks/boxes, Remote alarm system.

Refrigeration System:
Imported Danfoss compressor, Fan electromotor with Germany EBM
Unique refrigeration circulation and unipolar compressor oil-lubricated technology
China Patent technology of mixture refrigerant, which composed of R134a,R404a,R23,R410A,N2and so on, CFC free

Spec:

Model	Capacity	External size. (W*D*H) mm	Inside size (W*D*H) mm	Input power	Weight (N.t/G.t)
DW-HW258SD	258 liters	890*2085*1009	470*1120*490	3500W	330/360KG

Combined Refrigerator (+2°C ~ +10°C) and Freezer (-10°C ~ -40°C)

Model: DW-FL253

Effective capacity: 253 Liters (Refrigerator room 154liters, Freezer room 99liters)
Temperature range: Up room: +2°C to +8°C
                               Down room:-10°C to -40°C
Control System:
Microprocessor-based temperature controllter allows independent control of temperature in the upper room
within 2°C to -8°C, in the lower room within -10°C to -40°C, all can be set freely.
LCD display, to make clear the temperature information
Perfect audible/visual alarm: High or low temperature alarm, system failure alarm
Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ

Structure Design:
Upright type, Outer is painted steel board, inner is ABS material.
Double sealing design with lock, Rotatable sure-grip door handle
4 Casters provided for easy handing
Upper room with 3 unit shelves, lower room have 3 drawers
Refrigeration System:
2 units compressor for separate room and EBM fan motor
Refrigerant as R507 and R134a, CFC free
Special refrigeration circulation technology.

Spec:

Model	capacity	External size (W*D*H)mm	Inside size (W*D*H)mm	Input power	Weight (Nt/Gt)
DW-FL253	Refrigerator 154liters	623*604*1775	470*466*800	400W	72/75
	Freezer 99liters		397*368*414		

TANK Microwave Reaction System

TANK Microwave Reaction System adopts the international advanced double magnetron frequency microwave heating system and realizes the high power microwave balanced magnetic field safety heating. Microwave Reaction System has been widely used in food, textile, plastic, geological, metallurgical, coal, biological medicine, petroleum chemical industry, environmental monitoring, sewage treatment, battery manufacturing,cosmetics, etc

Characteristic:
 * Double magnetron variable frequency control system: It could adjust microwave output continuously.It makes the microwave field more uniform and more accurate that could ensure the sample digestion are uniform.
 * The high accuracy pressure sensor could make the pressure control more precise.
 * 7"LCD color touch-screen real time display the temperature and pressure curve.
 * Built-in method library (30 methods) and the methods could be programmed.

Multiple safety protection function
    It has more than ten safety protection measures to ensure experiment safety including temperauture control system, pressure control system,real-time temperature and pressure abnormal monitoring system, explosion-proof security doors, thicken cavity with 10 layer TEFLON coating,High-power exhaust system, program with suspend or start at any time. Ladder-style control temperature system, the material is TFM for the vessel and aerospace composite material for the vessel cover, the vessel cap with PFA and the pressure shrapnel use PEEK.

Optical fiber temperature control system
    The TANK adopts the internationally advanced optical fiber temperature control system. It avoids producing the spark which other temperature control mode caused, effectively eliminates microwave interference temperature control system and other factors. It not only achieves precision control temperature but also it is the most safe microwave digestion temperature control mode at present.

Cabity	48L Resonant cavity
Power output	1600W
Digestion Method	30 preinstalled methods, programing 70 methods
Max Temperature	305°C
Temperature accuracy	1°C
pressure accuracy	±0.01Mpa
Vessel Volume	100ml
vessel Quantity	1~12/batch
Cooling Method	Forced air cooling
Interface	USB, RS232
Display	7" LCD touch screen
Control Model	Touch screen
Power supply	AC220 50Hz
Power	2600W
dimensions	520mm*593mm*660mm
weight	67Kg

SH220N Graphite Digester

SH220N Graphite Digester includes globally advanced technology, features quick digestion, high efficiency and easy for use, etc., is widely used in such fields as food, medicine, agriculture, forestry,environmental protection, chemical engineering, biochemistry, as well as universities, research departments and so on, for sample digestion prior to the chemical analysis of soil, feed, plants, seeds, minerals etc., suitable for matching K9840 analyzer.

Characteristics:
* 20 positions, enhance working efficiency rapidly. Graphite block have longer life after special anti-oxidation processing.
* It adopt advanced insulation technology, eco-friendly, reduce energy intensity maximum limitedly. Corrosion-resistant design.
* It adopt advanced PID temperature control technology, high accuracy heating up to 400¡æ only cost 25minutes.
* Multi-protection, Over-current protection, high temperature warning, overload protection. LCD display.
* It's used with microwave reaction system, pretreat for microwave digestion or removing acid after digestion.

Spec:

Temperature range	Room temperature +5~450°C
Temperature accuracy	±1°C
Heating method	Infrared heating and high-purity graphite conduction
Heating insulation method	Ceramic fiber and unique air duct insulation technology
Digestion tube capacity	280ml
Capacity per batch	20pcs/batch
Power supply	220 VAC±10% 50HZ
Power	3600W
Dimensions	534mm*453mm*218mm
Net weight	25Kg

Sh420 Graphite Digester

SH420 Graphite Digester adopts globally advanced high-temperature infrared t radiation heating technology and microprocessor control platform, boasts accurate temperature control and quick temperature rise. It has two kinds of temperature rise mode: linear and curve temperature rise mode, and offers 20 digestion programs for control of temperature rise curves. Hanon neutralization system has many functions such as triple filtration, condensate recovery of exhaust gas, filtration and neutralization device. The product adopts high-quality Anticorrosive Pumps, low noise, strong suction, reduce exhaust emissions, eco-friendly.

Characteristics:
* 20 positions, enhance working efficiency rapidly.Graphite block have longer life after special anti-oxidation processing and heating more uniform.
* It adopt advanced insulation technology, eco-friendly, reduce energy intensity maximum limitedly.
* Corrosion-resistant design.
* It adopt advanced PID temperature control technology, high accuracy heating up to 400℃ only cost 25minutes.
* Temperature control model: Program control, curve and linear temperature rise. Multi-protection, Over-current protection, high temperature warning, overload protection. It adopts 5.7" color screen, easy for use.
* It can pretreat for microwave digestion or removing acid after digestion.
* Standard configuration with waste gas collection hood.

Spec:

Temperature range	Room temperature +5 - 450°C
Temperature accuracy	±1°C (450°C)
Heating method	Infrared heating and high-purity graphite conduction
Heating insulation method	unique air duct insulation technology
Digestion tube capacity	280ml
Capacity per batch	20pcs/batch
Power supply	220 VAC±10% 50HZ
Power	3600W
Dimensions	474mm*509mm*636mm
Net weight	25Kg

IMS series Ice Maker

* Use the imported Speed Reducer from Haitec in Italy and Motor from GGM in Korean.
* Evaporator are made of Copper.
* Compact design , Luxurious appearance.
* Full automatic running and easy to use.
* A power-overloading protecting device, water shortage auto-detecting, system and ice storage full control device.
* High efficiency CFC free compressor, economical and low energy consumption.

Spec:

Model	IMS-20	IMS-30	IMS-40	IMS-50	IMS-70
Ice making capacity	20kg	30kg	40kg	50kg	70kg
Product size	300*493*547mm	300*493*547mm	380*543*722mm	380*543*722mm	548*611*883mm
Packing size	377*571*595mm	377*571*595mm	457*621*770mm	457*621*770mm	625*690*932mm
weight	32kg	32kg	40kg	40kg	57kg
capacity per day	20kg/day	30kg/day	40kg/day	50kg/day	70kg/day
power	220V/50HZ	220V/50HZ	220V/50HZ	220V/50HZ	220V/50HZ
cooling	R134a	R134a	R134a	R134a	R134a
ice storage quanity	10kg	10kg	15kg	15kg	25kg
doors	1	1	1	1	1
production per hour	0.83kg	1.25kg	1.66kg	2.08kg	2.92kg
ideal operating temp.	15°C	15°C	15°C	15°C	15°C
consumption	180w	180w	280w	280w	420w

Model	IMS-85	IMS-100	IMS-130	IMS-150	IMS-200
Ice making capacity	85kg	100kg	130kg	150kg	200kg
Product size	548*611*883mm	548*611*883mm	635*611*945mm	635*611*945mm	680*641*1102mm
Packing size	625*690*932mm	625*690*932mm	712*690*994mm	712*690*994mm	757*720*1150mm
weight	57kg	58kg	70kg	70kg	85kg
capacity per day	85kg/day	100kg/day	130kg/day	150kg/day	200kg/day
power	220V/50HZ	220V/50HZ	220V/50HZ	220V/50HZ	220V/50HZ
cooling	R134a	R134a	R134a	R134a	R134a
ice storage quanity	25kg	25kg	35kg	35kg	55kg
doors	1	1	1	1	1
production per hour	3.54kg	4.2kg	5.4kg	6.25kg	8.33kg
ideal operating temp.	15°C	15°C	15°C	15°C	15°C
consumption	420w	420w	685w	685w	805w

SZF-06C Fat analyzer

Product Description:
This multi-channel extraction heater is ideal for running up to six Soxhlet extractions simultaneously for fat analysis. The instrument features individual hot plates, reagent recovery and cooling system, and temperature control.
Heat extraction , solvent recovery and cooling.You can adjust the heating temperature according to reagent boiling point and ambient temperature.The sample repeatedly soaking and extraction,then it will show the results .

Spec:

Model	SZF-06C
Test range	0.5% to 60%
Sample quantity:	6
Power source	220V, 50HZ
Power Requirement	800W
Mode of heating:	Water-bath
Warming time	10 min
Recycle system	Automatic
Recycle rate	≥80%
Temperature range	5℃-90℃
Difference	Even heating and automatic recycling, automatic soaking and extraction,save working time.
Size	740×230×655 mm
Weight	23kg

SOX406 Fat Analyzer

SOX406 Fat Analyzer is base on the Soxhlet extraction principle and integrates such functions as soaking, extraction, leaching, heating, condensation and solvent recovery. It features sealed metal bath heating with automatic temperature control, ensuring uniform heating and safe operation; six samples can be tested at the same time, and optimal temperature can be selected according to the difference between reagent boiling point and ambient temperature so as to achieve quick analysis; reagents can also be recycled to reduce test cost; and soaking, extraction and solvent recovery can be done in one step. Therefore, this device is characterized by reasonable design, stable performance, good reproducibility, high accuracy, easy operation, saving time and effort, and so on.

Characteristics:
* Integral metal heating, while scope and high precision of temperature control.
* Electric circuit is isolated from the extraction space, ensuring devices security.
* Over-temperature alarming and timer reminding functions are available.
* Timer circuit is isolated from the extraction space, ensuring device security
* Triple alarms i.e. sound, light, LCD screen word prompts are available.
* Abundant interface contents give simultaneous display of given temperature, actual temperature, given time and heating time.
* The lifting connection of linear bearing conduction technique gives smooth and comfortable lifting operation.
* Intelligent man-machine dialogue control system.
 * Exclusive air insulation technique leaves the case in room temperature, has thermal insulation and temperature maintenance two functions.
* 5.1" LCD screen and microcomputer control system are adopted.

Spec:

Temperature range:	Room temperature +5~300°C
Measuring range:	0.1~100%
Temperature accuracy:	±1°C
Sample weight:	0.5~15g
Capacity per batch:	6pcs/batch
Solvent cup volume:	80mL
Solvent recovery:	≥80%
Power supply:	220VAC±10%, 50Hz
Power:	1KW
Dimensions:	650mm*320mm*715mm
Net Weight:	35Kg

SOX500 Fat Analyzer

SOX500 Fat Analyzer, designed based on the Soxhlet extraction principle, is an automatic crude fat analyzer in which weight method is used to determine the fat content.Five extraction methods and four function.SOX500 Fat Analyzer boasts such five extraction methods as Soxhlet standard method (national standard), Soxhlet thermal extraction, thermal extraction, continuous flow and Soxhlet CH standard thermal extraction for user option, and such four automatic functions as extraction, leaching, solvent recovery and pre-drying. It¡¯s designed according to our investigation over 3000 users, well catering for user demands.Powerful temperature control capacity Safe and eco-friendly.

Characteristics:
 1. Colorful and pleasing touch screen with concise interface design and external small-size operation panel provide easy operation and save space.
2. Five exclusive extraction methods are at your option.
3. Test process can be suspended or resumed at any time, offering flexible control.
4. One-piece metal bath heating gives quick, uniform, stable and safe temperature rise.
5. Wide scope of temperature control, applicable for the organic solvents with different boiling points.
 6. Independent timer and timing circulation system give accurate control of the test.
 7. External printing system is at your free choice and saves cost
8. Ether leak alarming ensures test operator safety at all times
9. Automatic cooling water control saves water and protects environment 10. Efficient solvent recovery system

Spec:

Temperature range:	Room temperature +5~300°C
Measuring range:	0.1~100%
Temperature accuracy:	±1°C
Reproducibility:	Relative error 1%
Sample weigh:	0.5~15g
Capacity per batch:	6pcs/batch
Solvent cup volume:	150mL
Solvent recovery:	≥85%
Power supply:	220VAC±10%, 50Hz
Power:	2.6KW
Dimensions:	650mm*348mm*875mm
Net Weight:	61Kg

Cell

Cell

We formed 12 series, 300 different kinds of cells and optical cells, which apply to photo electrons, optical spectrum analyses in industries of chemistry, metallurgy, environmental protection, medicinal tests, hospitals, power stations, water works, scientific research institutions etc. Many world-famous optical spectrum works chose our products as necessary accessories of theirs.

The Transmission features of our cell guaranteed transmission values on empty cells and deviations in matched set.
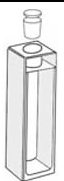
Material	Code	Transmission On Empty Cell	Deviations In Matching
Optical Glass	G	At 350nm appro.82%	At 350nm Max.0.5%
UV Quartz Glass	H	At 220nm appro.80%	At 350nm Max.0.5%
ES Quartz Glass	Q	At 220nm appro.80%	At 200nm Max.0.5%
IR Quartz Glass	I	At 2730nm appro.88%	At 2730nm Max.0.5%

Transmission Curves

Transmission measured on empty cells: window Thickness 1.25nm*2

(Including surface reflection losses)

Cell-01						
Picture and Name	Outside Dim H*W*D(mm)	Path Length	Inside Width	Volume	Product Number		
		(mm)	(mm)	(ml)	ES Quartz Glass	IR Quartz Glass	Optical Glass
					190nm-2500nm	250nm-3500nm	340nm-2500nm
Standard Cell with Lid	45*12.5*3.5	1	10	0.35	Q-1	I-1	G-1
	45*12.5*4.5	2	10	0.7	Q-2	I-2	G-2
	45*12.5*7.5	5	10	1.7	Q-3	I-3	G-3
	45*12.5*12.5	10	10	3.5	Q-4	I-4	G-4
	45*12.5*22.5	20	10	7	Q-5	I-5	G-5
	45*12.5*32.5	30	10	10.5	Q-6	I-6	G-6
	45*12.5*42.5	40	10	14	Q-7	I-7	G-7
	45*12.5*52.5	50	10	17.5	Q-8	I-8	G-8
	45*12.5*102.5	100	10	35	Q-9	I-9	G-9
Standard Cell With Telflon Stopper	45*12.5*7.5	5	10	1.7	Q-13	I-13	G-13
	45*12.5*12.5	10	10	3.5	Q-14	I-14	G-14
	45*12.5*22.5	20	10	7	Q-15	I-15	G-15
	45*12.5*32.5	30	10	10.5	Q-16	I-16	G-16
	45*12.5*42.5	40	10	14	Q-17	I-17	G-17
	45*12.5*52.5	50	10	17.5	Q-18	I-18	G-18
	45*12.5*102.5	100	10	35	Q-19	I-19	G-19
Semi-Micro Cell With Black Walls and With Lid	45*12.5*7.5	5	4	0.7	Q-23	I-23	G-23
	45*12.5*12.5	10	4	1.4	Q-24	I-24	G-24
	45*12.5*22.5	20	4	2.8	Q-25	I-25	G-25
	45*12.5*32.5	30	4	4.2	Q-26	I-26	G-26
	45*12.5*42.5	40	4	5.6	Q-27	I-27	G-27
	45*12.5*52.5	50	4	7	Q-28	I-28	G-28
	45*12.5*102.5	100	4	14	Q-29	I-29	G-29
Semi-Micro Cell With Black Walls and Telflon Stopper	45*12.5*7.5	5	4	0.7	Q-33	I-33	G-33
	45*12.5*12.5	10	4	1.4	Q-34	I-34	G-34
	45*12.5*22.5	20	4	2.8	Q-35	I-35	G-35
	45*12.5*32.5	30	4	4.2	Q-36	I-36	G-36
	45*12.5*42.5	40	4	5.6	Q-37	I-37	G-37
	45*12.5*52.5	50	4	7	Q-38	I-38	G-38
	45*12.5*102.5	100	4	14	Q-39	I-39	G-39

		Path Length	Inside Width	Volume	Product Number		
Picture and Name	Outside Dim H*W*D(mm)	(mm)	(mm)	(ml)	ES Quartz Glass	IR Quartz Glass	Optical Glass
					190nm-2500nm	250nm-3500nm	340nm-2500nm

Cell-02 table:

Picture and Name	Outside Dim H*W*D(mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
Micro cell with black walls and with lid	45*12.5*7.5	5	2	0.35	Q-43	I-43	G-43
	45*12.5*12.5	10	2	0.7	Q-44	I-44	G-44
	45*12.5*22.5	20	2	1.4	Q-45	I-45	G-45
	45*12.5*32.5	30	2	2.1	Q-46	I-46	G-46
	45*12.5*42.5	40	2	2.8	Q-47	I-47	G-47
	45*12.5*52.5	50	2	3.5	Q-48	I-48	G-48
	45*12.5*102.5	100	2	7	Q-49	I-49	G-49
Micro cell with black walls and telflon stopper	45*12.5*7.5	5	2	0.35	Q-53	I-53	G-53
	45*12.5*12.5	10	2	0.7	Q-54	I-54	G-54
	45*12.5*22.5	20	2	1.4	Q-55	I-55	G-55
	45*12.5*32.5	30	2	2.1	Q-56	I-56	G-56
	45*12.5*42.5	40	2	2.8	Q-57	I-57	G-57
	45*12.5*52.5	50	2	3.5	Q-58	I-58	G-58
	45*12.5*102.5	100	2	7	Q-59	I-59	G-59
Self masking continuous flowthrough cell	45*12.5*7.5	5	φ3	0.035	Q-63	I-63	G-63
	45*12.5*12.5	10	φ3	0.07	Q-64	I-64	G-64
	45*12.5*22.5	20	φ3	0.14	Q-65	I-65	G-65
	45*12.5*32.5	30	φ3	0.21	Q-66	I-66	G-66
	45*12.5*7.5	5	φ2	0.015	Q-67	I-67	G-67
	45*12.5*12.5	10	φ2	0.03	Q-68	I-68	G-68
	45*12.5*22.5	20	φ2	0.06	Q-69	I-69	G-69
	45*12.5*12.5	10	φ1.5	0.018	Q-70	I-70	G-70
Self masking continuous flowthrough cell	45*12.5*7.5	5	4*12	0.24	Q-73	I-73	G-73
	45*12.5*12.5	10	4*12	0.48	Q-74	I-74	G-74
	45*12.5*22.5	20	4*12	1	Q-75	I-75	G-75
	45*12.5*32.5	30	4*12	1.5	Q-76	I-76	G-76
	45*12.5*7.5	5	2*12	0.12	Q-79	I-79	G-79
	45*12.5*12.5	10	2*12	0.24	Q-80	I-80	G-80

Cell-03 table:

Picture and Name	Outside Dim H*W*D (mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
Cylindrical cell	φ 22*12.5	10	φ19	2.8	Q-85	I-85	G-85
	φ 22*22.5	20	φ19	5.7	Q-86	I-86	G-86
	φ 22*52.5	50	φ19	14	Q-87	I-87	G-87
	φ22*102.5	100	φ19	28	Q-88	I-88	G-88
Cylindrical cell one stopper	φ 22*12.5	10	φ19	2.8	Q-95	I-95	G-95
	φ 22*22.5	20	φ19	5.7	Q-96	I-96	G-96
	φ 22*52.5	50	φ19	14	Q-97	I-97	G-97
	φ22*102.5	100	φ19	28	Q-98	I-98	G-98
Standard cell with lid and with round bottom	45*12.5*3.5	1	10	0.35	Q-101	I-101	G-101
	45*12.5*4.5	2	10	0.7	Q-102	I-102	G-102
	45*12.5*7.5	5	10	1.7	Q-103	I-103	G-103
	45*12.5*12.5	10	10	3.5	Q-104	I-104	G-104
	45*12.5*22.5	20	10	7	Q-105	I-105	G-105
	45*12.5*32.5	30	10	10.5	Q-106	I-106	G-106
	45*12.5*42.5	40	10	14	Q-107	I-107	G-107
	45*12.5*52.5	50	10	17.5	Q-108	I-108	G-108
	45*12.5*102.5	100	10	35	Q-109	I-109	G-109
Standard cell with telfron stopper and with round bottom	45*12.5*3.5	1	10	0.35	Q-111	I-111	G-111
	45*12.5*4.5	2	10	0.7	Q-112	I-112	G-112

Cell-04						
Picture and Name	Outside Dim H*W*D(mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
	45*12.5*7.5	5	10	1.7	Q-113	I-113	G-113
	45*12.5*12.5	10	10	3.5	Q-114	I-114	G-114
	45*12.5*22.5	20	10	7	Q-115	I-115	G-115
	45*12.5*32.5	30	10	10.5	Q-116	I-116	G-116
	45*12.5*42.5	40	10	14	Q-117	I-117	G-117
	45*12.5*52.5	50	10	17.5	Q-118	I-118	G-118
	45*12.5*102.5	100	10	35	Q-119	I-119	G-119
Standard cell with telfron stopper and with round bottom							
	45*12.5*7.5	5	1	0.17	Q-123	I-123	G-123
	45*12.5*12.5	10	1	0.35	Q-124	I-124	G-124
	45*12.5*22.5	20	1	0.7	Q-125	I-125	G-125
	45*12.5*32.5	30	1	1	Q-126	I-126	G-126
	45*12.5*42.5	40	1	1.4	Q-127	I-127	G-127
	45*12.5*52.5	50	1	1.75	Q-128	I-128	G-128
	45*12.5*102.5	100	1	3.5	Q-129	I-129	G-129
Micro cell with black walls and with lid							
	45*12.5*7.5	5	3	0.5	Q-133	I-133	G-133
	45*12.5*12.5	10	3	1	Q-134	I-134	G-134
	45 x12.5 x22.5	20	3	2.1	Q- 135	I-135	G- 135
	45*12.5 x32.5	30	3	3.15	Q-136	I-136	G-136
	45 x12.5*42.5	40	3	4.2	Q-137	I-137	G-137
	45*12.5*52.5	50	3	5.25	Q-138	I-138	G-138
	45*12.5*102.5	100	3	10.5	Q-139	I-139	G-139
Micro cell with black walls and with lid							
	45*12.5*7.5	5	5	0.85	Q-143	I-143	G-143
	45*12.5*12.5	10	5	1.75	Q-144	I-144	G-144
	45*12.5*22.5	20	5	3.5	Q-145	I-145	G-145
	45*12.5*32.5	30	5	5.25	Q-146	I-146	G-146
	45*12.5*42.5	40	5	7	Q-147	I-147	G-147
	45*12.5*52.5	50	5	8.75	Q-148	I-148	G-148
	45*12.5*102.5	100	5	17.5	Q-149	I-149	G-149
Semi-Micro cell with black walls and with lid							

Cell-05						
Picture and Name	Outside Dim H*W*D(mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
	45*12.5*12.5	10	φ1	0.01	Q-154	I-154	G-154
	45*12.5*22.5	20	φ1	0.016	Q-155	I-155	G-155
	45*12.5*32.5	30	φ1	0.025	Q-156	I-156	G-156
	45*12.5*12.5	10	φ1.5	0.018	Q-164	I-164	G-164
	45*12.5*22.5	20	φ1.5	0.036	Q-165	I-165	G-165
	45*12.5*32.5	30	φ1.5	0.055	Q-166	I-166	G-166
	45*12.5*12.5	10	φ2	0.03	Q-174	I-174	G-174
	45*12.5*22.5	20	φ2	0.06	Q-175	I-175	G-175
	45*12.5*32.5	30	φ2	0.09	Q-176	I-176	G-176
Self masking continuous flowthrough cell							
	45*12.58*7.5	5	10	1.7	Q-203	I-203	G-203
	45*12.5*12.5	10	10	3.5	Q-204	I-204	G-204
	45*12.5*22.5	20	10	7	Q-205	I-205	G-205
	45*12.5*32.5	30	10	10.5	Q-206	I-206	G-206
	45*12.5*42.5	40	10	14	Q-207	I-207	G-207
	45*12.5*52.5	50	10	17.5	Q-208	I-208	G-208
	45*12.5*102.5	100	10	35.0	Q-209	I-209	G-209
Standard fluorometer cell with lid							
	45*12.5*7.5	5	10	1.7	Q-213	I-213	G-213
	45*12.5*12.5	10	10	3.5	Q-214	I-214	G-214
	45*12.5*22.5	20	10	7	Q-215	I-215	G-215
	45*12.5*32.5	30	10	10.5	Q-216	I-216	G-216
	45*12.5*42.5	40	10	14	Q-217	I-217	G-217
	45*12.5*52.5	50	10	17.5	Q-218	I-218	G-218
	45*12.5*102.5	100	10	35	Q-219	I-219	G-219
Standard fluorometer cell with telflon stopper							
	45*12.5*7.5	5	1	0.17	Q-233	I-233	G-233
	45*12.5*12.5	10	1	0.35	Q-234	I-234	G-234
	45*12.5*22.5	20	1	0.7	Q-235	I-235	G-235
	45*12.5*32.5	30	1	1	Q-236	I-236	G-236
	45*12.5*42.5	40	1	1.4	Q-237	I-237	G-237
	45*12.5*52.5	50	1	1.75	Q-238	I-238	G-238
	45*12.5*102.5	100	1	3.5	Q-239	I-239	G-239
Micro cell with frosted walls and with lid							

Picture and Name	Outside Dim H*W*D(mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
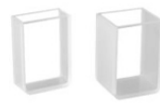
Cell-06

Picture and Name	Outside Dim H*W*D(mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
Micro cell with frosted walls and with lid	45*12.5*7.5	5	2	0.35	Q-243	I-243	G-243
	45*12.5*12.5	10	2	0.7	Q-244	I-244	G-244
	45*12.5*22.5	20	2	1.4	Q-245	I-245	G-245
	45*12.5*32.5	30	2	2.1	Q-246	I-246	G-246
	45*12.5*42.5	40	2	2.8	Q-247	I-247	G-247
	45*12.5*52.5	50	2	3.5	Q-248	I-248	G-248
	45*12.5*102.5	100	2	7	Q-249	I-249	G-249
Micro cell with frosted walls and with lid	45*12.5*7.5	5	3	0.5	Q-253	I-253	G-253
	45*12.5*12.5	10	3	1	Q-254	I-254	G-254
	45*12.5*22.5	20	3	2.1	Q-255	I-255	G-255
	45*12.5*32.5	30	3	3.15	Q-256	I-256	G-256
	45*12.5*42.5	40	3	4.2	Q-257	I-257	G-257
	45*12.5*52.5	50	3	5.25	Q-258	I-258	G-258
	45*12.5*102.5	100	3	10.5	Q-259	I-259	G-259
Semi-Micro cell with frosted walls and with lid	45*12.5*7.5	5	4	0.7	Q-263	I-263	G-263
	45*12.5*12.5	10	4	1.4	Q-264	I-264	G-264
	45 x12.5*22.5	20	4	2.8	Q-265	I-265	G-265
	45*12.5*32.5	30	4	4.2	Q-266	I-266	G-266
	45x12.5*42.5	40	4	5.6	Q-267	I-267	G-267
	45*12.5*52.5	50	4	7	Q-268	I-268	G-268
	45*12.5*102.5	100	4	14	Q-269	I-269	G-269
Semi-Micro cell with frosted walls and with lid	45*12.5*7.5	5	5	0.85	Q-273	I-273	G-273
	45*12.5*12.5	10	5	1.7	Q-274	I-274	G-274
	45*12.5*22.5	20	5	3.5	Q-275	I-275	G-275
	45*12.5*32.5	30	5	5.2	Q-276	I-276	G-276
	45*12.5*42.5	40	5	7	Q-277	I-277	G-277
	45*12.5*52.5	50	5	8.75	Q-278	I-278	G-278
	45*12.5*102.5	100	5	17.5	Q-279	I-279	G-279

Cell-07

Picture and Name	Outside Dim H*W*D(mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
Micro cell with frosted walls and with telflon stopper	45*12.5*7.5	5	2	0.35	Q-283	I-283	G-283
	45*12.5*12.5	10	2	0.7	Q-284	I-284	G-284
	45*12.5*22.5	20	2	1.4	Q-285	I-285	G-285
	45*12.5*32.5	30	2	2.1	Q-286	I-286	G-286
	45*12.5*42.5	40	2	2.8	Q-287	I-287	G-287
	45*12.5*52.5	50	2	3.5	Q-288	I-288	G-288
	45*12.5*102.5	100	2	7	Q-289	I-289	G-289
Semi-Micro cell with frosted walls and with telflon stopper	45*12.5*7.5	5	4	0.7	Q-293	I-293	G-293
	45*12.5*12.5	10	4	1.4	Q-294	I-294	G-294
	45*12.5*22.5	20	4	2.8	Q-295	I-295	G-295
	45*12.5*32.5	30	4	4.2	Q-296	I-296	G-296
	45*12.5*42.5	40	4	5.6	Q-297	I-297	G-297
	45*12.5*52.5	50	4	7	Q-298	I-298	G-298
	45*12.5*102.5	100	4	14	Q-299	I-299	G-299
Large cell	40*20*10.4	6.35	16	3.5	Q-321	I-321	G-321
	40*20*16.7	12.7	16	7.1	Q-322	I-322	G-322
	40*20*29.4	25.4	16	14.2	Q-323	I-323	G-323
	40*20*54.8	50.8	16	28.4	Q-324	I-324	G-324
	40*20*137.4	133.35	16	74.6	Q-325	I-325	G-325
	40*20*14	10	16	5.6	Q-326	I-326	G-326
	40*20*104	100	16	56	Q-327	I-327	G-327
Micro cell with frosted walls and with telflon stopper	45*12.5*7.5	5	1	0.17	Q-373	I-373	G-373
	45*12.5*12.5	10	1	0.35	Q-374	I-374	G-374
	45*12.5*22.5	20	1	0.7	Q-375	I-375	G-375
	45*12.5*32.5	30	1	1	Q-376	I-376	G-376
	45*12.5*42.5	40	1	1.4	Q-377	I-377	G-377
	45*12.5*52.5	50	1	1.75	Q-378	I-378	G-378
	45*12.5*102.5	100	1	3.5	Q-379	I-379	G-379

Cell-08

Picture and Name	Outside Dim H*W*D(mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
Micro cell with frosted walls and with telflon stopper	45*12.5*7.5	5	3	0.5	Q-383	I-383	G-383
	45*12.5*12.5	10	3	1	Q-384	I-384	G-384
	45*12.5*22.5	20	3	2.1	Q-385	I-385	G-385
	45*12.5*32.5	30	3	3.15	Q-386	I-386	G-386
	45*12.5*42.5	40	3	4.2	Q-387	I-387	G-387
	45*12.5*52.5	50	3	5.25	Q-388	I-388	G-388
	45*12.5*102.5	100	3	10.5	Q-389	I-389	G-389
Semi-Micro cell with frosted walls and with telflon stopper	45*12.5*7.5	5	5	0.85	Q-393	I-393	G-393
	45*12.5*12.5	10	5	1.7	Q-394	I-394	G-394
	45*12.5*22.5	20	5	3.5	Q-395	I-395	G-395
	45*12.5*32.5	30	5	5.2	Q-396	I-396	G-396
	45*12.5*42.5	40	5	7	Q-397	I-397	G-397
	45*12.5*52.5	50	5	8.75	Q-398	I-398	G-398
	45*12.5*102.5	100	5	17.5	Q-399	I-399	G-399
Standard cell with lid and level bottom	45*12.5*3.5	1	10	0.35	Q-401	I-401	G-401
	45 x12.5*4.5	2	10	0.7	Q-402	I-402	G-402
	45*12.5*7.5	5	10	0.17	Q-403	I-403	G-403
	45*12.5*12.5	10	10	3.5	Q-404	I-404	G-404
	45*12.5*22.5	20	10	7	Q-405	I-405	G-405
	45*12.5*32.5	30	10	10.5	Q-406	I-406	G-406
	45*12.5*42.5	40	10	14	Q-407	I-407	G-407
	45*12.5*52.5	50	10	17.5	Q-408	I-408	G-408
	45*12.5*102.5	100	10	35	Q-409	I-409	G-409
Micro cell with black walls and with lid	25*12.5*12.5	10	1	0.15	Q-424	I-424	G-424
	25*12.5*12.5	10	2	0.3	Q-434	I-434	G-434
	25*12.5*12.5	10	3	0.45	Q-444	I-444	G-444
	25*12.5*12.5	10	4	0.6	Q-454	I-454	G-454

Cell-09

Picture and Name	Outside Dim H*W*D(mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
Micro cell with frosted walls and with lid	25*12.5*12.5	10	1	0.15	Q-464	I-464	G-464
	25*12.5*12.5	10	2	0.3	Q-474	I-474	G-474
	25*12.5*12.5	10	3	0.45	Q-484	I-484	G-484
	25*12.5*12.5	10	4	0.6	Q-494	I-494	G-494
Micro fluorometer cell	45*12.5*12.5	10	1	0.35	Q-504	I-504	G-504
	45*12.5*12.5	10	2	0.7	Q-514	I-514	G-514
	45*12.5*12.5	10	3	1	Q-524	I-524	G-524
	45*12.5*12.5	10	4	1.4	Q-534	I-534	G-534
	45*12.5*12.5	10	5	1.7	Q-544	I-544	G-544
Micro cell fluorometer cell with telflon stopper	45*12.5*12.5	10	1	0.35	Q-554	I-554	G-554
	45*12.5*12.5	10	2	0.7	Q-564	I-564	G-564
	45*12.5*12.5	10	3	1	Q-574	I-574	G-574
	45*12.5*12.5	10	4	1.4	Q-584	I-584	G-584
	45*12.5*12.5	10	5	1.7	Q-594	I-594	G-594
Self masking continuous flowthrough cell	15*12.4*12.4	10	Φ2	0.03	Q-604	I-604	G-604

Cell-10						
Picture and Name	Outside Dim H*W*D(mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
Self masking continuous flowthrough cell	35*12.4*12.4	10	Φ2	0.03	Q-614	I-614	G-614
Self masking continuous flowthrough cell	35*12.5*12.5	10	Φ2	0.03	Q-624	I-624	G-624
Micro cell with black walls	20*12.75*12.75	10	2	0.05	Q-634	I-634	G-634
	20*12.75*12.75	10	4	0.01	Q-644	I-644	G-644
Micro cell with black walls	20*12.5*12.5	10	2	0.05	Q-653	I-653	G-653
	20*12.5*12.5	10	4	0.1	Q-654	I-654	G-654
	19.5*12.5*12.5	10	2	0.05	Q-663	I-663	G-663
	19.5*12.5*12.5	10	4	0.1	Q-664	I-664	G-664

Cell-11						
Picture and Name	Outside Dim H*W*D(mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
Micro cell with black walls	45*12.5*12.5	10	2	0.1	Q-674	I-674	G-674
Absorptiometer rectangular	45*28*6.5	2.5	25	2.2	Q-682	I-682	G-682
	445*28*9	5	25	4.4	Q-683	I-683	G-683
	45*28*14	10	25	8.8	Q-684	I-684	G-684
	45*28*24	20	25	17.5	Q-685	I-685	G-685
	45*28*44	40	25	35	Q-686	I-686	G-686
	45*28*54	50	25	43.8	Q-687	I-687	G-687
	45*28*104	100	25	87.5	Q-688	I-688	G-688
	45*28*204	200	25	175	Q-689	I-686	G-689
Rectangular with graded seal	45*12.5*12.5	10	10	3.5	Q-704	I-704	G-704
	Tube OD 8mm						
	Overall height 120mm						
Fluorimeter rectangular with graded seal	45*12.5*12.5	10	10	3.5	Q-714	I-714	G-714
	Tube OD 8mm						
	Overall height 120mm						

Cell-12						
Picture and Name	Outside Dim H*W*D(mm)	Path Length (mm)	Inside Width (mm)	Volume (ml)	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-
	Φ22*3.5	1	Φ19	0.28	Q-721	I-721	G-721
	Φ22*4.5	2	Φ19	0.56	Q-722	I-722	G-722
	Φ22*7.5	5	Φ19	1.4	Q-723	I-723	G-723
	Φ22*12.5	10	Φ19	2.8	Q-724	I-724	G-724
	Φ22*22.5	20	Φ19	5.6	Q-725	I-725	G-725
	Φ22*32.5	30	Φ19	8.4	Q-726	I-726	G-726
	Φ22*42.5	40	Φ19	11.2	Q-727	I-727	G-727
	Φ22*52.5	50	Φ19	14	Q-728	I-728	G-728
Long outlet cylindrical	Φ22*102.5	100	Φ19	28	Q-729	I-729	G-729
	Φ34*25			12	Q-731	I-731	G-731
	Φ50*30			32	Q-732	I-732	G-732
	Φ60*40.5			73	Q-733	I-733	G-733
Cells for reflection measurements							
	56*12.5*12.5	10	10	3.5	Q-744	I-744	G-744
Rectangular with screw cap							
	22.5*25*25	20	20	6	Q-751	I-751	G-751
	32.5*35*35	30	30	22.5	Q-752	I-752	G-752
	42.5*45*45	40	40	56	Q-753	I-753	G-753
	52.5*55*55	50	50	112.5	Q-754	I-754	G-754
Large cell							

VACUUM BLOOD TUBE

Vacuum Blood Tube

Vacuum Blood Tube Products'Characters   Products' Characters
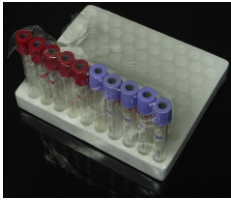
1. All the vacuum tubes'are produced in the clarification plants and their wall are cleaned by ultrasonic waves and washed by the deionized water, sterilized by cobalt 60 radiation, while the inner wall are siliconized, produced in clean room which prevent the foreign particles coming into the products effectively.

2. The tubes adopt the double covers design and are well sealed by the medical-purpose butyl disks which ensure a stable vacuum in the product's validation period. The internal sides of the tubes are coated with the lubricant, and outside are sleeved with plastic safety caps which make the opening and shutting much easier. The sideways opening style can prevent the blood splashing and pollutions.

3. The tubes adopt the international general colored caps, which is easy for identification, selection and classification, and can prevent the mixing and mistakes occurring during the operations.

4. Use the PET tubes are produced according to the international norms with good compatibilities and suitable of varied chemical and biological analysis, immunochemistry, and blood testing. The materials are of lightness and firm that can bear 5000g centrifugal acceleration and has the characters of easy for transportation and processing which make the immediate direct high pressure sterilization after use or destroying possible without any poisonous gas emitting and environmental friendly.

5. Using the US produced coating equipments and technologies, which make the additives evenly coated on the walls for avoiding the mis-inspection and re-inspection.

6. The vacuum room can maintain the status 24 months to ensure the accurate blood sampling dosage. Different kinds of vacuum level tubes are for your choices according to the temperature and sea levels.

7. According to the requirements of the customers, we can supply the double labels tubes and strip code tubes to ensure the patients test accurate and convenient for the renew of the hospital management system.

Description:
In recent years, due to the rapid development of clinical testing methods and progress on the automatic analytical instruments, the customers make more requirements on the blood sample collection system not only safety but also accurate, easy for operation, products quality and can preserve the sample's original characters, the blood storage time.

Inducing the wholes sets of vacuum blood tube producing lines, We are advocating to the R&D and manufacturing vacuum blood tube on the shoulder of the mature blood collection technologies from abroad. We have innovated the methods and used the special accurate instruments to control the critical aspects affecting product's quality, such as the process of tube wall, vacuum tightness, loadability of separation gel and dosages. Our vacuum blood tubes are more safety, simpler, more accurate and more economical which can meet different requirements of the medical care persons and research and development personnel.

Gel and Clot Activator Tube

Specification:
Color Code: Yellow
Specifications: Ø13X75mm, Ø13X100mm
Normal Sampling Dosage: 2ml, 3ml, 4ml, 5ml, 6ml
Complete Coagulation Time: 10-30 Minutes
Maximum Centrifugal Speed: 5000 turns/min.
Operation Temperature: 0 ℃-37 ℃
Maximum Vacuum Tolerance: ±10%

Attentions:
1. Soon after the blood sampling, turn the tube 180° upside down, shaking and mixing 5-6 times.
2. In order to help the gel to form a barrier, only can centrifuge the blood 8-10 minutes till the blood coagulated

Description:
The tubes are applicable to blood serum biochemical test, immunization test, and drug test etc.the internal walls are Coated with pro-coagulant which and shorten the coagulation time significantly. Using the imported separation gel to prevent the protein in serum from adhesion and maintain a stable status. The centrifuged separation gel is solidified and forming a barrier to separate the serum from blood red cells and stop the exchange of the substances between them. Thus obtain the high quality serum.

EDTA Tube

Specification:
Color Code: Purple
Specifications: Ø13x75mm
General Sampling Dosage: 2ml, 3ml, 4ml, 5ml
Types of additives: EDTAK2, EDTAK3, EDTANa2
Operation Temperature: 0 ℃-37 ℃
Maximum Vacuum Tolerance: ±10%

Attentions:
1. Soon after the sampling, turn the tube upside down by 180°, shaking and mixing 5-6 times.
2. Sampling the enough dosage as required to ensuring the accurate of the test result.

Description:
The tubes are applicable to the clinical blood test and suitable for the blood cells analysis. The internal walls of the tubes are coated with the anti-sticking agent, and meanwhile add the anti-coagulant. EDTA anti-coagulant has low effects on the blood cell integration and blood cells configuration, which can restrain the platelets integration.

Oxalate Tube

Specification:
Color Code: Gray
Specifications: Ø13 X75mm,Ø13 X100mm
Normal Sampling Dosage: 2ml, 3ml, 4ml, 5ml
Types of the Additives: Sodium Fluoride + Potassium Oxalate   Sodium Fluoried + Sodium Heparin
Maximum Centrifugal Rotating Speed: 5000 turns/min.
Maximum Vacuum Tolerance: ≤5%

Attentions:
Because the Sodium Fluoride has a good effect of preventing the blood sugar from degradation, turning the tube 180°, upside down, shaking and mixing 5-6 times slowly.

ESR Tube

Specification:
Color Code: Black
Type of Anti-coagulant and Content: 3.8% sodium citrate
Status of the Anti-coagulant: liquid
General Tube Specifications: 9X120mm
Rated Sampling Dosage: 1.28ml
Mixing ratio: 1 part citrate to 4 parts blood
The Proportions between the Anti-coagulant and volume of blood sample
Vacuum Tolerance: ≤5%

Description:
The tubes are specially used for blood sampling for determination of the erythrocyte sedimentation rate (ESR) by the Westergren Method.

Pro-Coagulation Tube

Specification:
Color Code: Nacarat
Specifications: Ø13X75mm, Ø13X100mm
Normal Sampling Dosage: 2ml, 3ml, 4ml, 5ml, 6ml, 7ml
Coagulation Time: 10-30 Minutes
Maximum Centrifugal Speed: 5000 turns/min.
Operation Temperature: 0 ℃-37 ℃
Maximum Vacuum Tolerance: ±10%
Cloting Time: When the platelets are normal, the coagulation time is not more than 5 minutes.

Attentions:
1. Soon after the sampling, turn the tube 180° upside down, shaking and mixing for 5-6 times. Only can centrifuge the sample till the blood coagulated completely.
2. When the sampling dosage are not more than the required dosage, please drain the vacuum in the tubes.

Description:
The tubes are use to the blood sampling for biochemical, immunization test. The internal walls are coated with the anti-wall sticking agent and meanwhile add the pro-coagulant, which has the characters of temperature flexible, fast coagulation, fibrin never recur.

Vacuum Blood Tube

No additive Tube

Specification:

Color Code: Red
Specifications: Ø13X75mm, Ø13X100mm
General Sampling Dosage: 2ml, 3ml, 4ml, 5ml, 6ml, 7ml
Maximum Centrifugal Rotation Speed: 5000 turns/min.
Blood Cloting Time: ≤2.5h
Operation Temperature: 0 ℃-37 ℃
Maximum Vacuum Tolerance: ±10%

Attentions:
Do please drain the vacuum in the tube when the sampling dosage is below the tube design dosage.

Description:
The no additive tubes are applicable to the immunochemistry, immunology, serumology and all kinds of virus tests as well as the blood sampling and storage in blood collection stations. The tube walls are specially processed for preventing the sticking and hemolysis, which not only blood sampling tubes but the test tubes.

PT Tube

Specification:

Color Code: Blue
Specifications: Ø13X75mm
General Sampling Dosage: 1.8ml, 2.7ml
Type of Additive: 3.28% sodium citrate
Operation Temperature: 0 ℃-37 ℃
Maximum Vacuum Tolerance: ±5%

Attentions:
During the operation, care for the followings:
1. Soon after blood sampling . mixing it 5-6 times by turning the tube 180°.
2. Sampling the dosage as required to ensure the test accuracy.
3. This tube is suitable fixed to the double direction flexible needles.

Description:
PT tubes are applicable to the checks for blood coagulation. The vacuum tubes are designed according to the 1:9 proportions of anti-coagulants and blood samples. It can ensure an accurate blood dosage and anti-coagulants quantity as well as the high precision. Because the low toxicity of the sodium citrate, it can also be used to the blood storage.

ESR Tube

Specification:

Golor Gode: Black
Specifications: Ø13X75mm
General Sampling Dosage: 1.6ml, 2.4ml
Type of Additive: 3.8% sodium citrate
Maximum Vacuum Tolerance: ≤5%

Attentions:
During the operation, do pay attentions to the followings:
1. As soon as the sampling, upside down the tube by 180°shaking and fixing fully.
2. Sampling the blood dosage as required to ensuring the test accuracy.

Description:
The tubes are specially used for determination of the erythrocyte sedimentation rate (ESR) by the Westergren's Method. The mixing ratio is 1 part citrate solution to 4 parts blood. ESR measurements refer to the Westergren method.

Heparin Tube

Specification:

Color Code: Green
Specifications: Ø13X75mm, Ø13Xl00mm
General Sampling Dosage: 2ml, 3ml, 4ml, 5ml, 6ml, 7ml
Types of Additives: Sodium Heparin, lithium Heparin
Maximum Centrifuge Speed: 5000 turns/min.
Maximum Vacuum Tolerance: ±10%

Attentions:
During the Operation, do please care for the followings:
1. Soon after the sampling, turn the tube 180° upside down,shaking and mixing 5-6 times.
2. Sample the dosage as required in order to avoiding the inability of the determination of the calcium due to the relative higher content of the heparin.
3. Heparin Anti-coagulation Blood sample should be used within 6 hours after sampling, otherwise, the blood will coagulate again.

Description:
The heparin tubes are use to blood sampling in clinical biochestry, emergency care biochemical and hemorrheological tests.