Ⅰ、 Color Touchscreen portable tester

·	pH meter	BANTE10
·	ORP meter	BANTE20
·	ION meter	BANTE30
·	Water Hardness meter	BANTE40
·	Conductivity meter	BANTE50
·	Dissolved Oxygen meter	BANTE60
·	pH/ORP/ION/conductivity meter	BANTE70
·	pH/ORP/ION/conductivity/DO meter	BANTE90

Ⅱ、 Multi-channel portable tester

·	pH/conductivity meter	M851
·	pH/conductivity/DO meter	M852
·	pH/Salinity/DO meter	M853

Ⅲ、 Benchtop pH tester

·	pH meter with stirring	PHS-500C
·	pH/conductivity meter	PE-20

Feature:
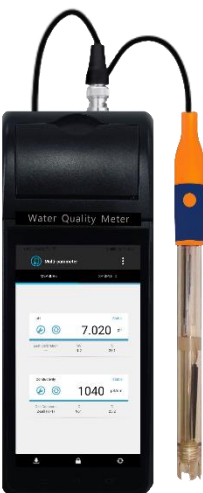
1. High instrument accuracy.
2. Multiple additional functions: Continuous measurement or interval;
   Calibration due reminder;
   High and low value alerts;
   Password protection;
   Data transfer to a computer or printer.
3. Color touch screen; Can connect WIFI and Bluetooth;
   GPS positioning ; Photograph; Email measurement data.

Feature:

• Economical and widely used,
   M852 is suitable for freshwater aquaculture;
   M853 is suitable for mariculture.
• The instrument can display two or three parameters at the same time,
   saving operation time and improving work efficiency.
• Simple instrument operation with few additional functions.

Color Touchscreen portable tester

Portable series	Ordering Code	Parameters	Descriptions	Tester Includes
	Bante10	pH °C/°F	• Range: -2.000 ~ 20.000 pH • Accuracy: ±0.002 pH • 1 to 5 points calibration, setup menu contains 14 options • WIFI, Bluetooth, GSM • GPS • Email Real-time Measurement data • 5.5HD,1280×720, IPS Display	• P14 pH electrode (Made in UK) • temperature sensor • Standard solutions 4.01, 7.00, 10.01 • Carrying case
	Bante20	Absolute mV Relative mV	• Range: ±2000 mV • Accuracy: ±0.2 mV • 1 point calibration, setup menu contains 11 options • WIFI, Bluetooth, GSM • GPS • Email Real-time Measurement data • 5.5HD,1280×720, IPS Display	• ORP electrode • temperature sensor • Solution storage bottles • Carrying case
	Bante30	Ion	• Range: 0.001 to 30000 (depending on the range of ISE) • Accuracy: ±0.5% F.S. (monovalent), ±1% F.S. (divalent) • 2 to 5 points calibration, setup menu contains 14 options • ISE Options: NH_4, Br, Ca, CL, CN, F, NO_3, Ag, Na, Cd, Cu, I, Pb, K, S • WIFI, Bluetooth, GSM • GPS • Email Real-time Measurement data • 5.5HD,1280×720, IPS Display	• Ion selective electrode (Made in UK) • temperature sensor • Standard solutions 100, 1000 ppm • Carrying case ⓘ *No CN* Ion standard solutions
	Bante40	Water hardness	• Range: 0.05 ~ 200 mmol/L • Accuracy: ±1% F.S. • 2 to 5 points calibration, setup menu contains 14 options • WIFI, Bluetooth, GSM • GPS • Email Real-time Measurement data • 5.5HD,1280×720, IPS Display	• ISE-WH Water hardness electrode (Made in UK) • temperature sensor • Standard solutions 10, 100 mmol/L • Carrying case

Portable series	Ordering Code	Parameters	Descriptions	Tester Includes
	Bante50	Conductivity TDS Salinity Resistivity Conductivity Ash °C/°F	• Range: depending on Cell Constant With CON-1: 0 ~ 20.00, 200.0, 2000 µS/cm, 20.00 mS/cm With CON-10: 0 ~ 200.0, 2000 µS/cm, 20.00, 200.0 mS/cm • Accuracy: ±0.5% F.S • 1 to 3 points calibration, setup menu contains 17 options • WIFI, Bluetooth, GSM, GPS • Email Real-time Measurement data • 5.5HD,1280×720, IPS Display	• CON-1-10K conductivity electrode • Standard solutions 84 µS/cm, 1413 µS/cm, 12.88 mS/cm • Carrying case
	Bante60	Dissolved Oxygen BOD OUR SOUR °C/°F	• Range: 0 ~ 20.00 mg/L, 0 ~ 200.0% Saturation of Oxygen • Accuracy: ±0.2 mg/L, ±2.0% • 1 or 2 points calibration, setup menu contains 15 options • WIFI, Bluetooth, GSM • GPS • Email Real-time Measurement data • 5.5HD,1280×720, IPS Display	• DO100 dissolved oxygen electrode (Made in UK) • DO electrolyte solution • DO membrane cap • Carrying case
	Bante70	pH °C/°F Absolute mV Relative mV Ion Water Hardness Conductivity TDS Salinity Resistivity Conductviity Ash	Two channels meter: • Channel 1: pH | ORP | Ion | Water hardness • Channel 2: Conductivity | TDS | Salinity | Resistivity | Conductivity Ash pH： • Range: -2.000 ~ 20.000 pH, Accuracy: ±0.002 pH • 1 to 5 points calibration, setup menu contains 14 options ORP： • Range: ±2000 mV, Accuracy: ±0.2 mV • 1 point calibration, setup menu contains 11 options Ion： • Range: 0.001 to 30000 (depending on the range of ISE) • Accuracy: ±1% F.S. • 2 to 5 points calibration, setup menu contains 14 options • ISE Options: NH_4, Br, Ca, CL, CN, F, NO_3, Ag, Na, Cd, Cu, I, Pb, K, S Water hardness： • Range: 0.05 ~ 200 mmol/L, Accuracy: ±1% F.S. • 2 to 5 points calibration, setup menu contains 14 options Conductivity： • Range: depending on Cell Constant With CON-1: 0 ~ 20.00, 200.0, 2000 µS/cm, 20.00 mS/cm With CON-10: 0 ~ 200.0, 2000 µS/cm, 20.00, 200.0 mS/cm • Accuracy: ±0.5% F.S • 1 to 3 points calibration, setup menu contains 17 options	• pH electrode (Made in UK) • temperature sensor • Standard solutions 4.01, 7.00, 10.01 • CON-1-10K conductivity electrode • Standard solutions 84µS/cm, 1413µS/cm, 12.88mS/cm • Carrying case

Portable series	Ordering Code	Parameters	Descriptions	Tester Includes

	Bante90	pH
		°C/°F
		mV
		Absolute mV
		Relative mV
		Ion
		Water Hardness
		Conductivity
		TDS
		Salinity
		Resistivity
		Conductivity Ash
		Dissolved Oxygen
		BOD
		OUR
		SOUR
			Three channels meter:
			• Channel 1: pH | ORP | Ion | Water hardness
			• Channel 2: Conductivity | TDS | Salinity | Resistivity | Conductivity Ash
			• Channel 3: Dissolved Oxygen | BOD | OUR | SOUR
			pH:
			• Range: -2.000 ~ 20.000 pH
			• Accuracy: ±0.002 pH
			• 1 to 5 points calibration, setup menu contains 14 options
			ORP:
			• Range: ±2000 mV
			• Accuracy: ±0.2 mV
			• 1 point calibration, setup menu contains 11 options
			Ion:
			• Range: 0.001 to 30000 (depending on the range of ISE)
			• Accuracy: ±1% F.S.
			• 2 to 5 points calibration, setup menu contains 14 options
			• ISE Options: NH_4, Br, Ca, CL, CN, F, NO_3, Ag, Na, Cd, Cu, I, Pb, K, S
			Water hardness:
			• Range: 0.05 ~ 200mmol/L
			• Accuracy: ±1% F.S.
			• 2 to 5 points calibration, setup menu contains 14 options
			Conductivity :
			• Range: depending on Cell Constant
			  With CON-1: 0 ~ 20.00, 200.0, 2000 μS/cm, 20.00mS/cm
			  With CON-10: 0 ~ 200.0, 2000 μS/cm, 20.00, 200.0mS/cm
			• Accuracy: ±0.5% F.S
			• 1 to 3 points calibration, setup menu contains 17 options
			Dissolved Oxygen:
			• Range: 0 ~ 20.00 mg/L, 0 ~ 200.0% Saturation of Oxygen
			• Accuracy: ±0.2 mg/L, ±2.0%
			• 1 or 2 points calibration, setup menu contains 15 options
			General:
			• WIFI, Bluetooth, GSM
			• GPS
			• Email Real-time Measurement data
			• 5.5HD,1280×720, IPS Display
				• P14 pH electrode (Made in UK)
				• temperature sensor
				• Standard solutions 4.01, 7.00, 10.01
				• Carrying case

Multi-channel portable tester

Portable series	Ordering Code	Parameters	Descriptions	Tester Includes
	M851	pH °C/°F Conductivity TDS Salinity	• pH Range: -1.00 ~ 15.00 pH, Accuracy: ± 0.01 pH • mV Range: -999 ~ +999 mV, Accuracy: ±1 mV • 1 to 3 points calibration, automatic temperature compensation, auto-read measurement endpoint, auto-power off, selectable pH buffer group and temperature unit • Range: Conductivity: 0 ~ 20.00, 200.0, 2000µS/cm, 20.00mS/cm TDS: 0 ~ 10.00, 100.0, 1000 ppm, max. 20.00ppt Salinity: 0 ~ 10.00ppt • Accuracy: ± 1% F.S. • Multi-range tester, 1 to 3 points calibration, automatic temperature compensation, auto-read measurement endpoint, auto-power off, selectable TDS factor and temperature unit	• E201-10K pH sensor • pH buffer solutions 4.01, 7.00, 10.01 • CON-1-10K conductivity sensor • Conductivity standard solutions : 84µS/cm, 1413µS/cm, 12.88mS/cm • Carrying case
	M852	pH °C/°F Conductivity TDS Salinity DO	• pH Range: -1.00 ~ 15.00 pH, Accuracy: ± 0.01 pH • mV Range: -999 ~ +999 mV, Accuracy: ±1 mV • **M852:** Conductivity: 0 ~ 20.00, 200.0, 2000µS/cm, 20.00mS/cm TDS: 0 ~ 10.00, 100.0, 1000 ppm, max. 20.00ppt Salinity: 0 ~ 10.00ppt • **M853:** Conductivity: 0 ~ 200.0, 2000µS/cm, 20,00, 200.0mS/cm Salinity: 0 ~ 80.00ppt • Accuracy: ± 1% F.S. • DO Range: 0 ~ 20.0 mg/L, 0 ~ 200% saturation • DO Accuracy: ± 0.5 mg/L, ± 2.0% • 1 or 2 points calibration, automatic temperature compensation, auto-read measurement endpoint, auto-power off, selectable temperature unit, salinity and barometric pressure coefficients	• E201-10K pH sensor • pH buffer solutions 4.01, 7.00, 10.01 • CON-**1**-10K conductivity sensor • Conductivity standard solutions : 84µS/cm, 1413µS/cm, **12.88mS/cm** • DO100 dissolved oxygen electrode • Electrolyte solution • Membrane cap • Carrying case
	M853			• E201-10K pH sensor • pH buffer solutions 4.01, 7.00, 10.01 • CON-**10**-10K conductivity sensor • Conductivity standard solutions : **1413µS/cm**, 12.88mS/cm, 11.8mS/cm • DO100 dissolved oxygen electrode • Electrolyte solution • Membrane cap • Carrying case

pH tester with stirring

Benchtop series	Ordering Code	Parameters	Descriptions	Tester Includes
	PHS-500C	pH mV °C	• pH tester with stirring • pH Range: 0~14.00pH, Accuracy: ± 0.01 pH • mV Range: -1999~1999mV, Accuracy: ±1mV • Maximum stirring volume: 2000mL • Stirring speed: 0~1250rpm • Timer range: 0~999min • Plate material: ceramics	• E201-10K pH sensor • sensor holder • pH buffer solutions 4.01, 7.00, 10.01 • Stir bar

Double-channel Benchtop tester

Benchtop series	Ordering Code	Parameters	Descriptions	Tester Includes
	PE-20	pH mV conductivity TDS °C/°F	• Double-channel Benchtop tester • pH Range: -1.00 ~ 15.00 pH, Accuracy: ± 0.01 pH • mV Range: -1999~1999mV, Accuracy: ±1mV • Range: Conductivity: 0 ~ 20.00, 200.0, 2000µS/cm, 20.00mS/cm TDS: 0 ~ 10.00, 100.0, 1000 ppm, max. 20.00ppt • Accuracy: ± 1% F.S. • 1 to 3 points calibration, automatic temperature compensation, auto-read measurement endpoint, selectable pH buffer group and temperature unit, selectable TDS factor	• E201-10K pH sensor • pH buffer solutions 4.01, 7.00, 10.01 • CON-1-10K conductivity sensor • Conductivity standard solutions : 84µS/cm, 1413µS/cm, 12.88mS/cm • 9V DC power adapter

Bante10 Portable pH meter

Bante10 High-performance pH meter based on Android, 1 to 5 points calibration, setup menu contains 14 options, accuracy: 0.002 pH.
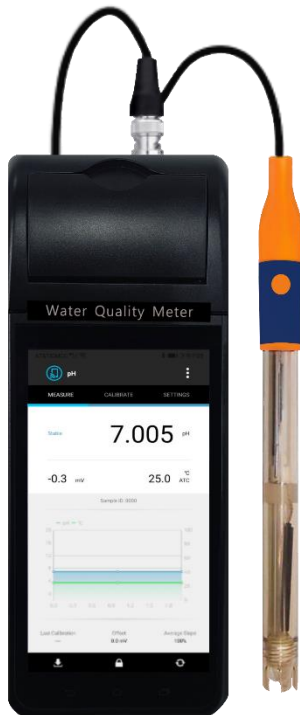
Features:

- 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
- Solution temperature coefficient compensates for the pure water samples and references the pH to 25°C.
- Automatic temperature compensation ensures accurate readings over the entire range.
- Auto-Read function senses and locks the measurement endpoint.
- Timed Interval Readings sends the measurement data to the memory or printer.
- Limit Alarm automatically alerts when measurement exceeds the specified range.
- Calibration due alarm prompts user to calibrate the tester regularly.
- Calibration log shows the date, time, calibration points, offset and pH slope.
- Password protection prevents the unauthorized calibration and settings.
- Reset function automatically resumes all settings back to the factory defaults
- WIFI, Bluetooth, GSM
- GPS
- Email Real-time Measurement data
- 5.5HD,1280×720, IPS Display

Include: P14 pH electrode (Made in UK), temperature sensor, Standard solutions 4.01, 7.00, 10.01, Carrying case.

Specifications

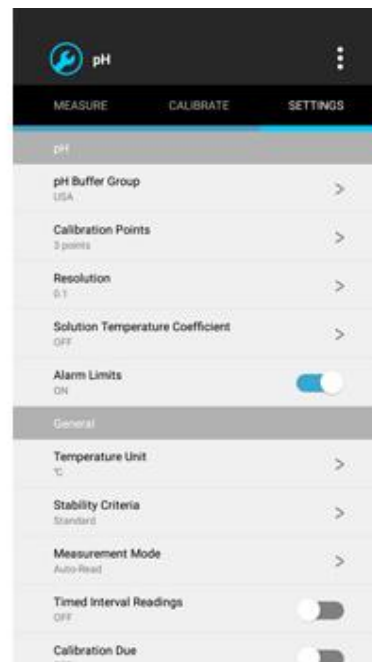| Model	Bante10
pH	
Range	-2.000~20.000pH
Resolution	0.001/0.01/0.1pH, Selectable
Accuracy	±0.002pH
Calibration Points	1 to 5 points
pH Buffer Options	USA/NIST/DIN/5 custom buffers
mV	
Range	-2000.0~2000mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV
Other Specifications	
Temperature	0~100°C/32~212°F, automatic
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable
Data Transfer	Memory / Printer
Password Protection	6 digits
CPU	Mt6580
Architecture	ARM Cortex- A7 quad core 1.3 GHz
System	Android8.1.0
Memory	8GB ROM+1GB RAM
Display	5.5HD,1280×720 IPS
Camera	5 megapixels + Auto focus
WIFI	2.4Ghz,SupportIEEE802.11 a/b/g/n
Communication	Support Unicom3G/2G, Mobile2G
Bluetooth	SupportBluetooth3.0/4.0, Support BLE
MIC	Support
SPK	Support
Key	Power button(lock screen button)+volume plus/minus button
Connector	BNC, 3.5mmjack socket; Type-C USB; Support OTG
Power adapter	5V/2A
Barcode recognition	Rearcamerascanning,support1D/2D barcode scanning reading
SIM	Support
TF/SD	≤64G
PASM	Support
Connectivity	WIFI、GPS、Bluetooth、GSM
Power Supply	Removablelithiumbattery,3.7V/5000mAh
Dimensions	211×87×60.5mm
Weight	500G（include battery）

Bante20 Portable ORP meter

Bante20 High-performance ORP meter based on Android, 1 point calibration, setup menu contains 10 options, accuracy: 0.2 mV.

Features:

- High-performance ORP meter is suitable for measuring the mV and relative mV.
- 1 point offset calibration allows adjusting the displayed value to a known standard.
- Auto-Read function senses and locks the measurement endpoint.
- Timed Interval Readings sends the measurement data to the memory or printer.
- Limit Alarm automatically alerts when reading exceeds the specified range.
- Calibration due alarm prompts user to calibrate the tester regularly.
- Calibration log shows the date, time and offset.
- Password protection prevents the unauthorized calibration and settings.
- Reset function automatically resumes all settings back to the factory defaults
- WIFI, Bluetooth, GSM
- GPS
- Email Real-time Measurement data
- 5.5HD,1280×720, IPS Display

Include: ORP electrode, temperature sensor, Solution storage bottles, Carrying case.

Specifications

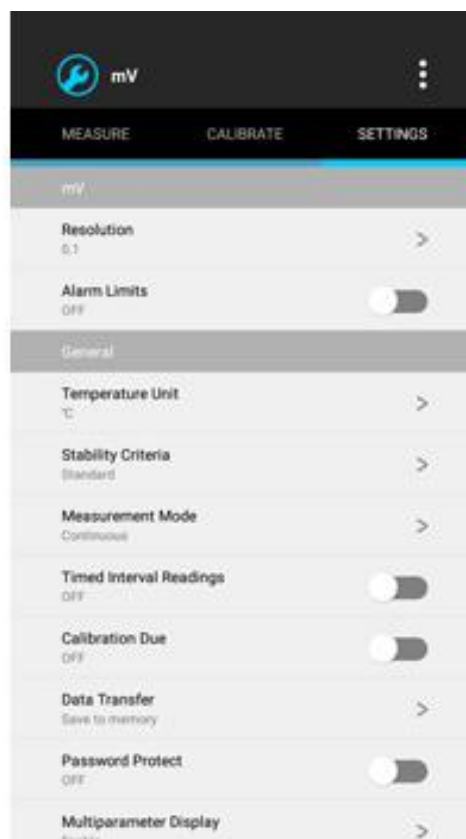| Model	Bante20
ORP	
Range	±2000.0mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV
Calibration Points	1 point
Measurement Modes	Relative / Absolute mV
Other Specifications	
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
Data Transfer	Memory / Printer
Password Protection	6 digits
CPU	Mt6580
Architecture	ARM Cortex- A7 quad core 1.3 GHz
System	Android8.1.0
Memory	8GB ROM+1GB RAM
Display	5.5HD,1280×720 IPS
Camera	5 megapixels + Auto focus
WIFI	2.4Ghz,SupportIEEE802.11 a/b/g/n
Communication	Support Unicom3G/2G, Mobile2G
Bluetooth	SupportBluetooth3.0/4.0，Support BLE
MIC	Support
SPK	Support
Key	Power button(lock screen button)+volume plus/minus button
Connector	BNC, 3.5mmjack socket；Type-C USB；Support OTG
Power adapter	5V/2A
Barcode recognition	Rearcamerascanning,support1D/2D barcode scanning reading
SIM	Support
TF/SD	≤64G
PASM	Support
Connectivity	WIFI、GPS、Bluetooth、GSM
Power Supply	Removablelithiumbattery,3.7V/5000mAh
Dimensions	211×87×60.5mm
Weight	500G（include battery）

Bante30 Portable Ion meter

Bante30 High-performance ion meter based on Android, 2 to 5 points calibration, contains 5 ion concentration measurement methods.

Features:

• High-performance ion meter contains 5 ion concentration measurement methods.

• Selectable ion concentration units, including the ppm, mg/L, mol/L and mmol/L.

• 2 to 5 points calibration, providing the 8 concentration points can be selected.

• Electrode management is capable of storing and recalling up to 3 electrode slopes.

• Manual temperature compensation eliminates the error caused by temperature deviation.

• Auto-Read function senses and locks the measurement endpoint.

• Timed Interval Readings sends the measurement data to the memory or printer.

• Limit Alarm automatically alerts when reading exceeds the specified range.

• Calibration due alarm prompts user to calibrate the tester regularly.

• Calibration log shows the date, time, calibration points and slope.

• Password protection prevents the unauthorized calibration and settings.

• Reset function automatically resumes all settings back to the factory defaults.

• WIFI, Bluetooth, GSM

• GPS

• Email Real-time Measurement data

• 5.5HD,1280×720, IPS Display

Include: Ion selective electrode, temperature sensor, Standard solutions 100, 1000 ppm, Ionic strength adjuster, Carrying case.

ISE Options: NH4, Br, Ca, CL, CN, F, NO3, Ag, Na, Cd, Cu, I, Pb, K, S

① No CN Ion standard solutions.

Specifications

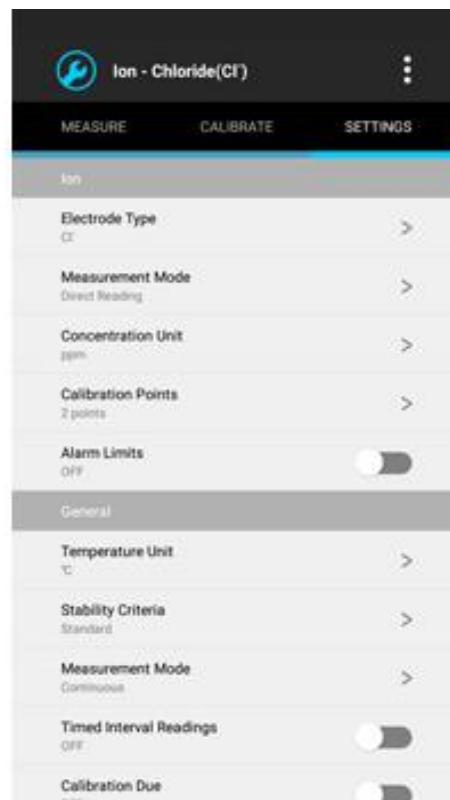| Model	Bante30
Ion	
Range	0.001~30000 (depending on the range of ISE)
Resolution	0.001, 0.01, 0.1, 1, automatic
Accuracy	±0.5% F.S. (monovalent), ±1% F.S. (divalent)
Calibration Points	2 to 5 points
Calibration Solutions	0.001/0.01/0.1/1/10/100/1000/10000
Measurement Units	ppm, mg/L, mol/L, mmol/L
Measurement Methods	Direct reading, known addition, known Direct reading, subtraction, sample addition, sample subtraction
Electrode Management	1 to 3
mV	
Range	±2000.0mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV
Other Specifications	
Temperature Compensation	0~100°C/32~212°F, automatic
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable
Data Transfer	Memory / Printer
Password Protection	6 digits
CPU	Mt6580
Architecture	ARM Cortex- A7 quad core 1.3 GHz
System	Android8.1.0
Memory	8GB ROM+1GB RAM
Display	5.5HD,1280×720 IPS
Camera	5 megapixels + Autofocus
WIFI	2.4Ghz,SupportIEEE802.11 a/b/g/n
Communication	Support Unicom3G/2G, Mobile2G
Bluetooth	SupportBluetooth3.0/4.0，Support BLE
MIC	Support
SPK	Support
Key	Power button(lock screen button) + volume plus/minus button
Connector	BNC, 3.5mmjack socket；Type-C USB；Support OTG
Power adapter	5V/2A
Barcode recognition	Rearcamerascanning,support1D/2D barcode scanning reading
SIM	Support
TF/SD	≤64G
PASM	Support
Connectivity	WIFI、GPS、Bluetooth、GSM
Power Supply	Removablelithiumbattery,3.7V/5000mAh
Dimensions	211×87×60.5mm
Weight	500G（include battery）

Bante40 Portable Water Hardness meter

Bante40 High-performance water hardness meter based on Android, 2 to 5 points calibration, setup menu contains 12 options, accuracy: 1% F.S.

Features:

- High-performance water hardness meter is supplied with a solid state sensor.
- 2 to 5 points calibration, providing the 5 concentration points can be selected.
- Selectable water hardness units, including the German degree (°dH), English degree (°e), French degree (°fH), gpg, mg/L and mmol/L.
- Manual temperature compensation eliminates the error caused by temperature deviation.
- Auto-Read function senses and locks the measurement endpoint.
- Timed Interval Readings sends the measurement data to the memory or printer.
- Limit Alarm automatically alerts when reading exceeds the specified range.
- Calibration due alarm prompts user to calibrate the tester regularly.
- Calibration log shows the date, time, calibration points and slope.
- Password protection prevents the unauthorized calibration and settings.
- Reset function automatically resumes all settings back to the factory defaults.
- WIFI, Bluetooth, GSM
- GPS
- Email Real-time Measurement data
- 5.5HD,1280×720, IPS Display

Include: ISE-WH Water hardness electrode, temperature sensor, Standard solutions 10, 100mmol/L, Carrying case.

Specifications

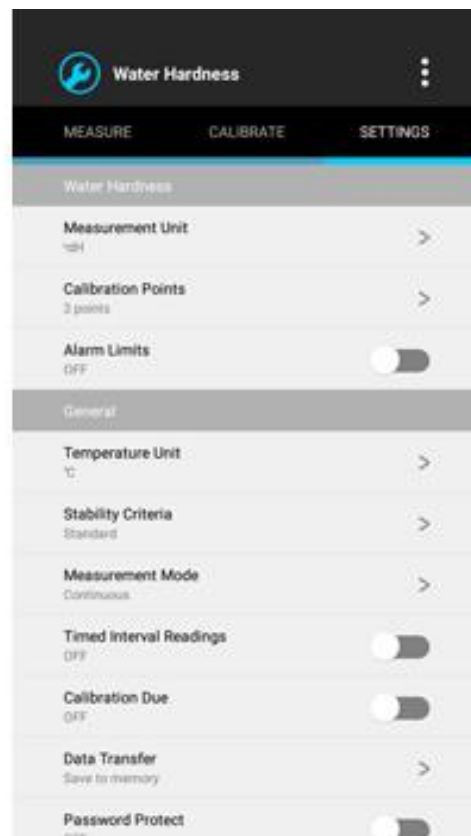| Model	Bante40
Water Hardness	
Range (Concentration)	0.05~200mmol/L
Range (German Degree)	0~1122°dH
Range (English Degree)	0~1404°e
Range (French Degree)	0~2000°fH
Range (GPG)	0~1170gpg
Range (CaCO$_3$)	0~20000mg/L
Range (CaO)	0~11220mg/L
Range (Ca^{2+})	0~8020mg/L
Resolution	0.001, 0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
Calibration Points	2 to 5 points
Calibration Solutions	0.01/0.1/1/10/100mmol/L
mV	
Range	±2000.0mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV
Other Specifications	
Temperature Compensation	0~100°C/32~212°F, manual
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable
Data Transfer	Memory / Printer
Password Protection	6 digits
CPU	Mt6580
Architecture	ARM Cortex- A7 quad core 1.3 GHz
System	Android8.1.0
Memory	8GB ROM+1GB RAM
Display	5.5HD,1280×720 IPS
Camera	5 megapixels + Autofocus
WIFI	2.4Ghz,SupportIEEE802.11 a/b/g/n
Communication	Support Unicom3G/2G, Mobile2G
Bluetooth	SupportBluetooth3.0/4.0，Support BLE
MIC	Support
SPK	Support
Key	Power button(lock screen button) + volume plus/minus button
Connector	BNC, 3.5mmjack socket；Type-C USB；Support OTG
Power adapter	5V/2A
Barcode recognition	Rearcamerascanning,support1D/2D barcode scanning reading
SIM	Support
TF/SD	≤64G
PASM	Support
Connectivity	WIFI、GPS、Bluetooth、GSM
Power Supply	Removablelithiumbattery,3.7V/5000mAh
Dimensions	211×87×60.5mm
Weight	500G（include battery）

Bante50 Portable Conductivity meter

High-performance conductivity meter based on Android, contains the conductivity, TDS, salinity, resistivity and conductivity ash measurement modes, accuracy: 0.5% F.S.

Features:
• High-performance conductivity meter is equipped with a platinum-cell electrode.
• 1 to 3 points calibration with automatic recognition for conductivity standards.
• Selectable cell constant, temperature compensation type, temperature compensation coefficient, pure water compensation coefficient, reference temperature and TDS factor.
• Automatic temperature compensation ensures accurate readings over the entire range.
• Auto-Read function senses and locks the measurement endpoint.
• Timed Interval Readings sends the measurement data to the memory or printer.
• Limit Alarm automatically alerts when reading exceeds the specified range.
• Calibration due alarm prompts user to calibrate the tester regularly.
• Calibration log shows the date, time, calibration point and factor.
• Password protection prevents the unauthorized calibration and settings.
• Reset function automatically resumes all settings back to the factory defaults.
• WIFI, Bluetooth, GSM
• GPS
• Email Real-time Measurement data
• 5.5HD,1280×720, IPS Display

Include: CON-1-10K conductivity electrode, Standard solutions, 84µS/cm, 1413µS/cm, 12.88mS/cm, Carrying case

Specifications

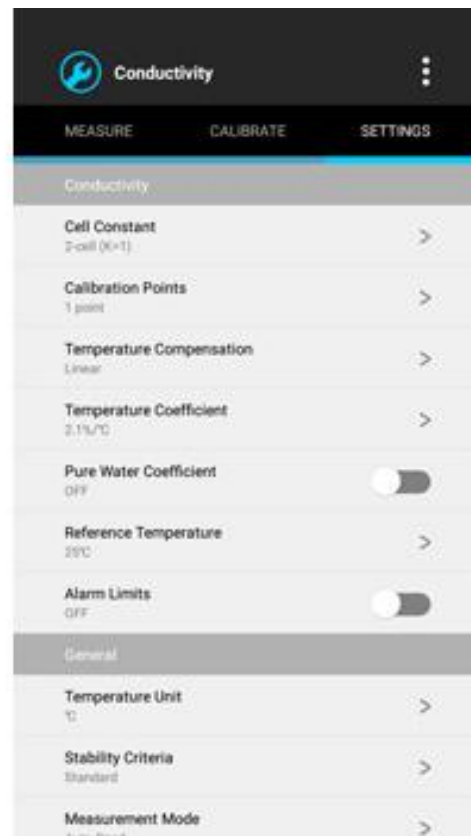| Model	Bante50
Conductivity	
Range	0.01~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
Resolution	0.001, 0.01, 0.1, 1, automatic
Accuracy	±0.5% F.S.
Calibration Points	1 to 3 points
Calibration Solutions	84µS/1413µS/12.88mS/111.8mS
TDS	
Range	0~200.0g/L
Resolution	0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
TDS Conversion Factor	0.01 to 1.00 (default 0.5)
Salinity	
Range (Practical Salinity)	0.00~42.00psu
Range (Natural Seawater)	0.00~80.00ppt
Range (%)	0.00~8.00%
Resolution	0.01
Accuracy	±1% F.S.
Resistivity	
Range	0.00~20.00MΩ
Resolution	0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
Conductivity Ash	
Range	0~100%
Resolution	0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
Measurement Modes	ICUMSA GS1 / GS2
Other Specifications	
Temperature Compensation	0~100°C/32~212°F, automatic
Temperature Coefficient	Linear (0.0 to 10.0%/°C) / Non-linear / USP / EP
Pure Water Compensation	Yes
Reference Temperature	20/25°C
Cell Constant	K=0.1, 1, 10
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable
Data Transfer	Memory / Printer
Password Protection	6 digits
CPU	Mt6580
Architecture	ARM Cortex- A7 quad core 1.3 GHz
System	Android8.1.0
Memory	8GB ROM+1GB RAM
Display	5.5HD,1280×720 IPS
Camera	5 megapixels + Autofocus
WIFI	2.4Ghz,SupportIEEE802.11 a/b/g/n
Communication	Support Unicom3G/2G, Mobile2G
Bluetooth	SupportBluetooth3.0/4.0, Support BLE
MIC	Support
SPK	Support
Key	Power button(lock screen button) + volume plus/minus button
Connector	BNC, 3.5mmjack socket；Type-C USB；Support OTG
Power adapter	5V/2A
Barcode recognition	Rearcamerascanning,support1D/2D barcode scanning reading
SIM	Support
TF/SD	≤64G
PASM	Support
Connectivity	WIFI、GPS、Bluetooth、GSM
Power Supply	Removablelithiumbattery,3.7V/5000mAh
Dimensions	211×87×60.5mm
Weight	500G （include battery)

Bante60 Portable Dissolved Oxygen Meter

Bante60 High-performance dissolved oxygen meter based on Android, contains the BOD, OUR, SOUR measurement modes, accuracy: 0.2 mg/L.
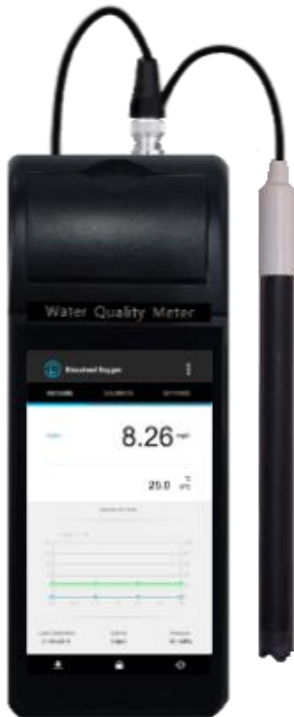
Features:

• The dissolved oxygen meter is supplied with a polarographic electrode.

• 1 or 2 points calibration using the air-saturated water or zero oxygen solution.

• Salinity and barometric pressure compensations eliminate the measurement error.

• Selectable testing time, beginning/ending DO are used for OUR/SOUR calculations.

• Data management provides the detailed BOD information, including the time, temperature, initial and final DO.

• Automatic temperature compensation ensures accurate readings over the entire range.

• Auto-Read function senses and locks the measurement endpoint.

• Limit Alarm automatically alerts when reading exceeds the specified range.

• Calibration due alarm prompts user to calibrate the tester regularly.

• Password protection prevents the unauthorized calibration and settings.

• Reset function automatically resumes all settings back to the factory defaults.

• WIFI, Bluetooth, GSM

• GPS

• Email Real-time Measurement data

• 5.5HD,1280×720, IPS Display

Include: DO100 dissolved oxygen electrode, DO electrolyte solution, DO membrane cap, Carrying case.

Specifications

Model	Bante60
Dissolved Oxygen	
Range	0.00~20.00mg/L
Resolution	0.01/0.1mg/L, Selectable
Accuracy	±0.2mg/L
% Saturation of Oxygen	
Range	0.0~200.0%
Resolution	0.1%
Accuracy	±2.0%
Other Specifications	
Calibration Points	1 or 2 points
Temperature	0~50°C/32~122°F, automatic
Pressure Correction	60.0~113.3kPa/450~850mmHg, manual
Salinity Correction	0.0~50.0g/L, manual
Additional Applications	BOD / OUR / SOUR
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable
Data Transfer	Memory / Printer
Password Protection	6 digits
CPU	Mt6580
Architecture	ARM Cortex- A7 quad core 1.3 GHz
System	Android8.1.0
Memory	8GB ROM+1GB RAM
Display	5.5HD,1280×720 IPS
Camera	5 megapixels + Autofocus
WIFI	2.4Ghz,SupportIEEE802.11 a/b/g/n
Communication	Support Unicom3G/2G, Mobile2G
Bluetooth	SupportBluetooth3.0/4.0，Support BLE
MIC	Support
SPK	Support
Key	Power button(lock screen button) + volume plus/minus button
Connector	BNC, 3.5mmjack socket；Type-C USB；Support OTG
Power adapter	5V/2A
Barcode recognition	Rearcamerascanning,support1D/2D barcode scanning reading
SIM	Support
TF/SD	≤64G
PASM	Support
Connectivity	WIFI、GPS、Bluetooth、GSM
Power Supply	Removablelithiumbattery,3.7V/5000mAh
Dimensions	211×87×60.5mm
Weight	500G（include battery）

Bante70 Portable Multiparameter meter

Bante70 High-performance Multiparameter meter based on Android, contains the pH, ORP, Ion, conductivity, TDS, salinity, resistivity and conductivity ash measurement modes.

Features:

- Multiparameter meter has two channels.
  Channel 1: pH, ORP, Ion, Water hardness
  Channel 2: Conductivity, TDS, Salinity, Resistivity, Conductivity Ash
- Auto-Read function senses and locks the measurement endpoint.
- Limit Alarm automatically alerts when reading exceeds the specified range.
- Calibration due alarm prompts user to calibrate the tester regularly.
- Password protection prevents the unauthorized calibration and settings.
- Reset function automatically resumes all settings back to the factory defaults.
- WIFI, Bluetooth, GSM
- GPS
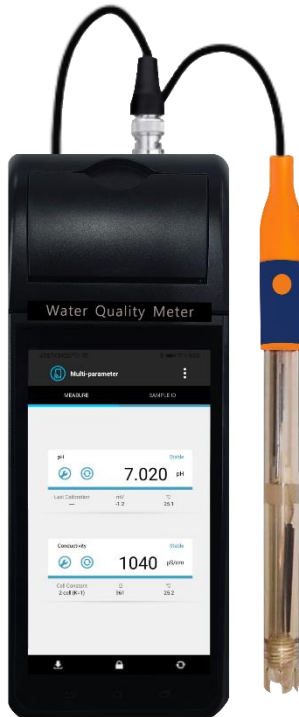- Email Real-time Measurement data
- 5.5HD,1280×720, IPS Display
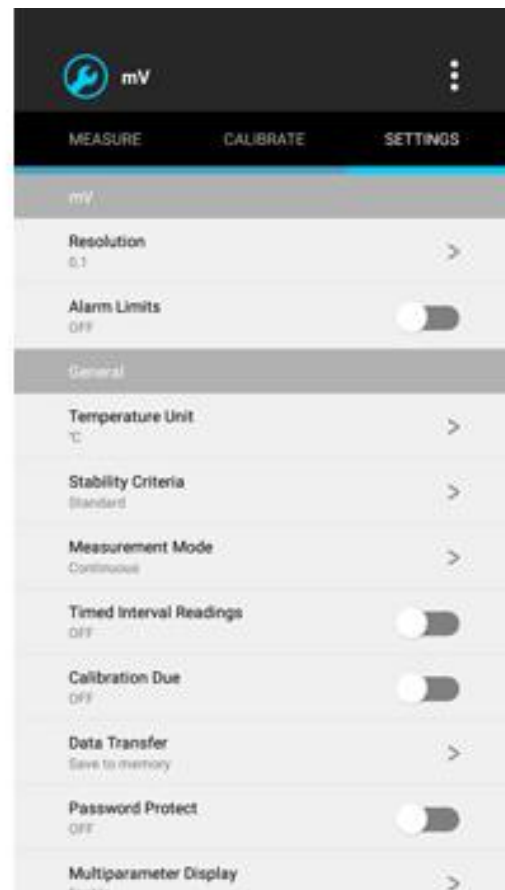
Include: pH electrode (Made in UK), temperature sensor, Standard solutions 4.01, 7.00, 10.01, CON-1-10K conductivity electrode, Standard solutions 84μS/cm, 1413μS/cm, 12.88mS/cm, Carrying case.

Specifications

Model	Bante70
pH	
Range	-2.000~20.000pH
Resolution	0.001/0.01/0.1pH, Selectable
Accuracy	±0.002pH
Calibration Points	1 to 5 points
pH Buffer Options	USA/NIST/DIN/5 custom buffers
mV	
Range	-2000.0~2000mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV
Other Specifications	
Temperature Compensation	0~100°C/32~212°F, automatic
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable
ORP	
Range	±2000.0mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV
Calibration Points	1 point
Measurement Modes	Relative / Absolute mV
Other Specifications	
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
Ion	
Range	0.001~30000 (depending on the range of ISE)
Resolution	0.001, 0.01, 0.1, 1, automatic
Accuracy	±0.5% F.S. (monovalent), ±1% F.S. (divalent)
Calibration Points	2 to 5 points
Calibration Solutions	0.001/0.01/0.1/1/10/100/1000/10000
Measurement Units	ppm, mg/L, mol/L, mmol/L
Measurement Methods	Direct reading, known addition, known Direct reading, subtraction, sample addition, sample subtraction
Electrode Management	1 to 3
mV	
Range	±2000.0mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV
Other Specifications	
Temperature Compensation	0~100°C/32~212°F, automatic
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable

Water Hardness

Range (Concentration)	0.05~200mmol/L
Range (German Degree)	0~1122°dH
Range (English Degree)	0~1404°e
Range (French Degree)	0~2000°fH
Range (GPG)	0~1170gpg
Range (CaCO$_3$)	0~20000mg/L
Range (CaO)	0~11220mg/L
Range (Ca^{2+})	0~8020mg/L
Resolution	0.001, 0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
Calibration Points	2 to 5 points
Calibration Solutions	0.01/0.1/1/10/100mmol/L

mV

Range	±2000.0mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV

Other Specifications

Temperature Compensation	0~100°C/32~212°F, manual
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable

Conductivity

Range	0~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
Resolution	0.001, 0.01, 0.1, 1, automatic
Accuracy	±0.5% F.S.
Calibration Points	1 to 3 points
Calibration Solutions	84µS/1413µS/12.88mS/111.8mS

TDS

Range	0~200.0g/L
Resolution	0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
TDS CONVERSION FACTOR	0.01 to 1.00 (default 0.5)

Salinity

Range (Practical Salinity)	0.00~42.00psu
Range (Natural Seawater)	0.00~80.00ppt
Range (%)	0.00~8.00%
Resolution	0.01
Accuracy	±1% F.S.

Resistivity

Range	0.00~20.00MΩ
Resolution	0.01, 0.1, 1, automatic
Accuracy	±1% F.S.

Conductivity Ash

Range	0~100%
Resolution	0.01, 0.1, 1, automatic
Accuracy	±1% F.S.

Measurement Modes	ICUMSA GS1 / GS2
Other Specifications	
Temperature Compensation	0~100°C/32~212°F, automatic
Temperature Coefficient	Linear (0.0 to 10.0%/°C) / Non-linear / USP / EP
Pure Water Compensation	Yes
Reference Temperature	20/25°C
Cell Constant	K=0.1, 1, 10
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable
General	
Data Transfer	Memory / Printer
Password Protection	6 digits
CPU	Mt6580
Architecture	ARM Cortex- A7 quad core 1.3 GHz
System	Android8.1.0
Memory	8GB ROM+1GB RAM
Display	5.5HD,1280×720 IPS
Camera	5 megapixels + Autofocus
WIFI	2.4Ghz,SupportIEEE802.11 a/b/g/n
Communication	Support Unicom3G/2G, Mobile2G
Bluetooth	SupportBluetooth3.0/4.0，Support BLE
MIC	Support
SPK	Support
Key	Power button(lock screen button) + volume plus/minus button
Connector	BNC, 3.5mmjack socket；Type-C USB；Support OTG
Power adapter	5V/2A
Barcode recognition	Rearcamerascanning,support1D/2D barcode scanning reading
SIM	Support
TF/SD	≤64G
PASM	Support
Connectivity	WIFI、GPS、Bluetooth、GSM
Power Supply	Removablelithiumbattery,3.7V/5000mAh
Dimensions	211×87×60.5mm
Weight	500G（include battery）

Bante90 Portable Multiparameter meter

Bante90 High-performance Multiparameter meter based on Android, contains the pH, ORP, Ion, conductivity, TDS, salinity, resistivity, conductivity ash, BOD, OUR, SOUR and Dissolved Oxygen measurement modes.
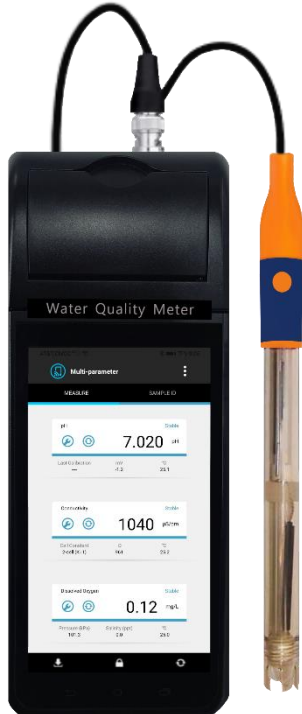
Features:

• Multiparameter meter has three channels.
  Channel 1：pH, ORP, Ion, Water hardness
  Channel 2：Conductivity, TDS, Salinity, Resistivity, Conductivity Ash
  Channel 3：Dissolved Oxygen, BOD, OUR, SOUR
• Auto-Read function senses and locks the measurement endpoint.
• Limit Alarm automatically alerts when reading exceeds the specified range.
• Calibration due alarm prompts user to calibrate the tester regularly.
• Password protection prevents the unauthorized calibration and settings.
• Reset function automatically resumes all settings back to the factory defaults.
• WIFI, Bluetooth, GSM
• GPS
• Email Real-time Measurement data
• 5.5HD,1280×720, IPS Display
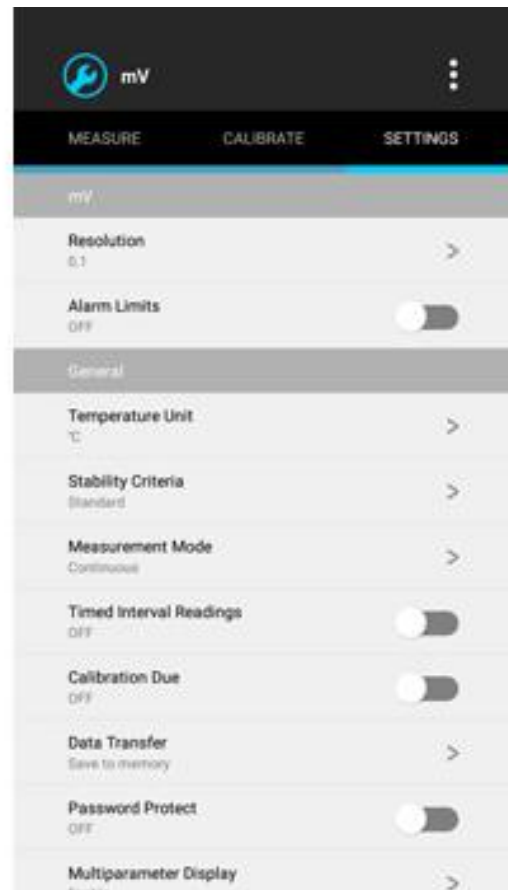
Specifications

Model	Bante90
pH	
Range	-2.000~20.000pH
Resolution	0.001/0.01/0.1pH, Selectable
Accuracy	±0.002pH
Calibration Points	1 to 5 points
pH Buffer Options	USA/NIST/DIN/5 custom buffers
mV	
Range	-2000.0~2000mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV
Other Specifications	
Temperature Compensation	0~100°C/32~212°F, automatic
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable
ORP	
Range	±2000.0mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV
Calibration Points	1 point
Measurement Modes	Relative / Absolute mV
Other Specifications	
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
Ion	
Range	0.001~30000 (depending on the range of ISE)
Resolution	0.001, 0.01, 0.1, 1, automatic
Accuracy	±0.5% F.S. (monovalent), ±1% F.S. (divalent)
Calibration Points	2 to 5 points
Calibration Solutions	0.001/0.01/0.1/1/10/100/1000/10000
Measurement Units	ppm, mg/L, mol/L, mmol/L
Measurement Methods	Direct reading, known addition, known Direct reading, subtraction, sample addition, sample subtraction
Electrode Management	1 to 3
mV	
Range	±2000.0mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV

Other Specifications	
Temperature Compensation	0~100°C/32~212°F, automatic
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable

Water Hardness	
Range (Concentration)	0.05~200mmol/L
Range (German Degree)	0~1122°dH
Range (English Degree)	0~1404°e
Range (French Degree)	0~2000°fH
Range (GPG)	0~1170gpg
Range ($CaCO_3$)	0~20000mg/L
Range (CaO)	0~11220mg/L
Range (Ca^{2+})	0~8020mg/L
Resolution	0.001, 0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
Calibration Points	2 to 5 points
Calibration Solutions	0.01/0.1/1/10/100mmol/L

mV	
Range	±2000.0mV
Resolution	0.1/1mV, Selectable
Accuracy	±0.2mV

Other Specifications	
Temperature Compensation	0~100°C/32~212°F, manual
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable

Conductivity	
Range	0~20.00, 200.0, 2000μS/cm, 20.00, 200.0mS/cm
Resolution	0.001, 0.01, 0.1, 1, automatic
Accuracy	±0.5% F.S.
Calibration Points	1 to 3 points
Calibration Solutions	84μS/1413μS/12.88mS/111.8mS

TDS	
Range	0~200.0g/L
Resolution	0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
TDS CONVERSION FACTOR	0.01 to 1.00 (default 0.5)

Salinity	
Range (Practical Salinity)	0.00~42.00psu
Range (Natural Seawater)	0.00~80.00ppt
Range (%)	0.00~8.00%
Resolution	0.01
Accuracy	±1% F.S.
Resistivity	
Range	0.00~20.00MΩ
Resolution	0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
Conductivity Ash	
Range	0~100%
Resolution	0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
Measurement Modes	ICUMSA GS1 / GS2
Other Specifications	
Temperature Compensation	0~100°C/32~212°F, automatic
Temperature Coefficient	Linear (0.0 to 10.0%/°C) / Non-linear / USP / EP
Pure Water Compensation	Yes
Reference Temperature	20/25°C
Cell Constant	K=0.1, 1, 10
Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable
Dissolved Oxygen	
Range	0.00~20.00mg/L
Resolution	0.01/0.1mg/L, Selectable
Accuracy	±0.2mg/L
% Saturation of Oxygen	
Range	0.0~200.0%
Resolution	0.1%
Accuracy	±2.0%
Other Specifications	
Calibration Points	1 or 2 points
Temperature Compensation	0~50°C/32~122°F, automatic
Pressure Correction	60.0~113.3kPa/450~850mmHg, manual
Salinity Correction	0.0~50.0g/L, manual
Additional Applications	BOD / OUR / SOUR

Stability Criteria	Fast / Standard / Slow
Measurement Modes	Continuous / Auto-read measurement endpoint
Timed Interval Readings	10/30/60/300seconds or off
Calibration Due Alarm	1 to 99 days or off
High/Low Limit Alarm	Selectable
General	
Data Transfer	Memory / Printer
Password Protection	6 digits
CPU	Mt6580
Architecture	ARM Cortex- A7 quad core 1.3 GHz
System	Android8.1.0
Memory	8GB ROM+1GB RAM
Display	5.5HD,1280×720 IPS
Camera	5 megapixels + Autofocus
WIFI	2.4Ghz,SupportIEEE802.11 a/b/g/n
Communication	Support Unicom3G/2G, Mobile2G
Bluetooth	SupportBluetooth3.0/4.0，Support BLE
MIC	Support
SPK	Support
Key	Power button(lock screen button) + volume plus/minus button
Connector	BNC, 3.5mmjack socket；Type-C USB；Support OTG
Power adapter	5V/2A
Barcode recognition	Rearcamerascanning,support1D/2D barcode scanning reading
SIM	Support
TF/SD	≤64G
PASM	Support
Connectivity	WIFI、GPS、Bluetooth、GSM
Power Supply	Removablelithiumbattery,3.7V/5000mAh
Dimensions	211×87×60.5mm
Weight	500G（include battery）

Include: P14 pH electrode (Made in UK), temperature sensor, Standard solutions 4.01, 7.00, 10.01, Carrying case.
Options: • Bluetooth ORP electrode, temperature sensor.
        • Bluetooth Ion selective electrode, temperature sensor, Standard solutions 100, 1000 ppm,
          Ionic strength adjuster.
          ISE Options: NH4, Br, Ca, CL, CN, F, NO3, Ag, Na, Cd, Cu, I, Pb, K, S
        • Bluetooth ISE-WH Water hardness electrode, temperature sensor, Standard solutions 10, 100mmol/L.
        • CON-1-10K conductivity electrode , CON-10-10K conductivity electrode,
          CON-0.1-10K conductivity electrode Standard solutions, 84μS/cm, 1413μS/cm, 12.88mS/cm.
        • DO100 dissolved oxygen electrode, DO electrolyte solution, DO membrane cap.
        • Portable Thermal Printer.

M851 Portable pH/Conductivity meter

M851 Economical pH/Conductivity meter contains pH, mV, TDS, Salinity, and Temperature measurement modes.

pH Unit Features
• Circular glass bulb electrode fully senses the pH of liquids.
• 1 to 3 points calibration with automatic recognition for USA and NIST buffers.
• Automatic temperature compensation ensures accurate readings over the entire range.
• Setup menu allows setting the pH buffer group, number of calibration points, temperature unit, etc.

EC Unit Features
• Platinum conductivity cell provides the quick and reliable measurement results.
• 1 to 3 points calibration with automatic recognition for conductivity standards.
• Automatic temperature compensation corrects conductivity measurement to reference temperature.
• Setup menu allows setting the number of calibration points, TDS factor, temperature unit, etc.

General Features
• Auto-Read function senses and locks the measurement endpoint.
• Auto-Power Off effectively conserves battery life.
• Reset function automatically resumes all settings back to the factory defaults.

Include:
• M851 portable pH/conductivity meter
• E201-BNC-10K pH electrode
• pH4.01/7.00/10.01 buffer sachets
• CON-1-10K Platinum conductivity cell
• Conductivity standards 84µS/cm, 1413µS/cm, 12.88mS/cm
• Carrying case

Model	M851
pH	
Range	-1.00~15.00pH
Resolution	0.01pH
Accuracy	±0.01pH
Calibration Points	1 to 3 points
pH Buffer Options	USA (pH4.01/7.00/10.01), NIST (pH4.01/6.86/9.18)
mV	
Range	-999~999mV
Resolution	1mV
Accuracy	±1mV
Temperature	
Range	0 ~60°C/32~140°F
Resolution	0.1°C/0.1°F
Accuracy	±1°C/±1.8°F
Offset Calibration Temperature	Reading ±10°C
Temperature Compensation	0~60°C/32~140°F, automatic
Conductivity	
Range	0~20.00, 200.0, 2000µS/cm, 20.00mS/cm
Resolution	0.01, 0.1, 1
Accuracy	±1% F.S.
Calibration Points	1 to 3 points
Calibration Solutions	84µS/cm, 1413µS/cm, 12.88mS
Cell Constant	K=1
TDS	
Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
Resolution	0.01, 0.1, 1
Accuracy	±1% F.S.
TDS CONVERSION FACTOR	0.01 to 1.00 (default 0.5)
Salinity	
Range	0~10.00ppt
Resolution	0.01
Accuracy	±1% F.S.
Temperature	
Range	0 ~60°C/32~140°F
Resolution	0.1°C/0.1°F
Accuracy Compensation	±1°C/±1.8°F
Offset Calibration Temperature	Reading ±10°C
Temperature Compensation	0~60°C/32~140°F, automatic
Temperature Coefficient	2%/°C, linear
Reference Temperature Modes	25°C
General	
Hold Function	Manual or auto-endpoint
Auto-Power Off Protection	40 minutes after last key pressed
Power	3×1.5V LR44 micro alkaline batteries/set, total 2 sets
Dimension	195*90*30mm
Weight	240g

M852 Portable pH/Conductivity/DO meter

M852 Economical pH/Conductivity/DO meter contains pH, mV, TDS, Salinity, and Dissolved oxygen measurement modes. It is suitable for freshwater farming.

pH Unit Features

- Circular glass bulb electrode fully senses the pH of liquids.
- 1 to 3 points calibration with automatic recognition for USA and NIST buffers.
- Automatic temperature compensation ensures accurate readings over the entire range.
- Setup menu allows setting the pH buffer group, number of calibration points, temperature unit, etc.

EC Unit Features

- Platinum conductivity cell provides the quick and reliable measurement results.
- 1 to 3 points calibration with automatic recognition for conductivity standards.
- Automatic temperature compensation corrects conductivity measurement to reference temperature.
- Setup menu allows setting the number of calibration points, TDS factor, temperature unit, etc.

DO Unit Features

- Equip with a polarography sensor.
- 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- Salinity and barometric pressure compensations eliminate the measurement error.
- Automatic temperature compensation ensures accurate readings over the entire range.
- Setup menu allows setting the number of calibration points, concentration unit, temperature unit, etc.

General Features

- Auto-Read function senses and locks the measurement endpoint.
- Auto-Power Off effectively conserves battery life.
- Reset function automatically resumes all settings back to the factory defaults.

Include:

- M852 portable pH/Conductivity/DO meter
- E201-BNC-10K pH electrode
- pH4.01/7.00/10.01 buffer sachets
- CON-1-10K Platinum conductivity cell
- Conductivity standards 84µS/cm, 1413µS/cm, 12.88mS/cm
- DO100 dissolved oxygen electrode
- DO electrolyte solution
- DO membrane cap
- Carrying case

Model	M852
pH	
Range	-1.00~15.00pH
Resolution	0.01pH
Accuracy	±0.01pH
Calibration Points	1 to 3 points
pH Buffer Options	USA (pH4.01/7.00/10.01), NIST (pH4.01/6.86/9.18)
mV	
Range	-999~999mV
Resolution	1mV
Accuracy	±1mV
Temperature	
Range	0 ~60°C/32~140°F
Resolution	0.1°C/0.1°F
Accuracy	±1°C/±1.8°F
Offset Calibration Temperature	Reading ±10°C
Temperature Compensation	0~60°C/32~140°F, automatic
Conductivity	
Range	0~20.00, 200.0, 2000μS/cm, 20.00mS/cm
Resolution	0.01, 0.1, 1
Accuracy	±1% F.S.
Calibration Points	1 to 3 points
Calibration Solutions	84μS/cm, 1413μS/cm, 12.88mS
Cell Constant	K=1
TDS	
Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
Resolution	0.01, 0.1, 1
Accuracy	±1% F.S.
TDS CONVERSION FACTOR	0.01 to 1.00 (default 0.5)
Salinity	
Range	0~10.00ppt
Resolution	0.01
Accuracy	±1% F.S.

Temperature	
Range	0 ~60°C/32~140°F
Resolution	0.1°C/0.1°F
Accuracy Compensation	±1°C/±1.8°F
Offset Calibration Temperature	Reading ±10°C
Temperature Compensation	0~60°C/32~140°F, automatic
Temperature Coefficient	2%/°C, linear
Dissolved Oxygen	
Range	0.0~20.0mg/L
Resolution	0.1mg/L
Accuracy	±0.5mg/L
% Saturation of Oxygen	
Range	0.0~200.0%
Resolution	0.1%
Accuracy	±2.0%
Calibration Points	1 or 2 points
Pressure Correction	450~850mmHg, manual
Salinity Correction	0~35g/L, manual
Temperature	
Range	0 ~60°C/32~140°F
Resolution	0.1°C/0.1°F
Accuracy	±1°C/±1.8°F
Offset Calibration Temperature	Reading ±10°C
Temperature Compensation	0~40°C/32~104°F, automatic
General	
Hold Function	Manual or auto-endpoint
Auto-Power Off Protection	40 minutes after last key pressed
Power	3×1.5V LR44 micro alkaline batteries/set, total 3 sets
Dimension	195*90*30mm
Weight	240g

M853 Portable pH/Salinity/DO meter

M853 Economical pH/Salinity/DO meter contains pH, mV, Salinity, and Dissolved oxygen measurement modes. It is suitable for mariculture.

pH Unit Features

- Circular glass bulb electrode fully senses the pH of liquids.
- 1 to 3 points calibration with automatic recognition for USA and NIST buffers.
- Automatic temperature compensation ensures accurate readings over the entire range.
- Setup menu allows setting the pH buffer group, number of calibration points, temperature unit, etc.

Salinity Unit Features

- Platinum conductivity cell provides the quick and reliable measurement results.
- 1 to 3 points calibration with automatic recognition for conductivity standards.
- Automatic temperature compensation corrects conductivity measurement to reference temperature.
- Setup menu allows setting the number of calibration points, temperature unit, etc.

DO Unit Features

- Equip with a polarography sensor.
- 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- Salinity and barometric pressure compensations eliminate the measurement error.
- Automatic temperature compensation ensures accurate readings over the entire range.
- Setup menu allows setting the number of calibration points, concentration unit, temperature unit, etc.

General Features

- Auto-Read function senses and locks the measurement endpoint.
- Auto-Power Off effectively conserves battery life.
- Reset function automatically resumes all settings back to the factory defaults.

Include:

- M853 portable pH/Salinity/DO meter
- E201-BNC-10K pH electrode
- pH4.01/7.00/10.01 buffer sachets
- CON-10-10K Platinum conductivity cell
- Conductivity standards 1413μS/cm, 12.88mS/cm, 111.8mS/cm
- DO100 dissolved oxygen electrode
- DO electrolyte solution
- DO membrane cap
- Carrying case

Model	M853
pH	
Range	-1.00~15.00pH
Resolution	0.01pH
Accuracy	±0.01pH
Calibration Points	1 to 3 points
pH Buffer Options	USA (pH4.01/7.00/10.01), NIST (pH4.01/6.86/9.18)
mV	
Range	-999~999mV
Resolution	1mV
Accuracy	±1mV
Temperature	
Range	0 ~60°C/32~140°F
Resolution	0.1°C/0.1°F
Accuracy	±1°C/±1.8°F
Offset Calibration Temperature	Reading ±10°C
Temperature Compensation	0~60°C/32~140°F, automatic
Conductivity	
Range	0 ~ 200.0, 2000µS/cm, 20,00, 200.0mS/cm
Resolution	0.01, 0.1, 1
Accuracy	±1% F.S.
Calibration Points	1 to 3 points
Calibration Solutions	84µS/cm, 1413µS/cm, 12.88mS
Cell Constant	K=1
Salinity	
Range	0~80.00ppt
Resolution	0.01
Accuracy	±1% F.S.

Temperature	
Range	0 ~60°C/32~140°F
Resolution	0.1°C/0.1°F
Accuracy Compensation	±1°C/±1.8°F
Offset Calibration Temperature	Reading ±10°C
Temperature Compensation	0~60°C/32~140°F, automatic
Temperature Coefficient	2%/°C, linear
Dissolved Oxygen	
Range	0.0~20.0mg/L
Resolution	0.1mg/L
Accuracy	±0.5mg/L
% Saturation of Oxygen	
Range	0.0~200.0%
Resolution	0.1%
Accuracy	±2.0%
Calibration Points	1 or 2 points
Pressure Correction	450~850mmHg, manual
Salinity Correction	0~35g/L, manual
Temperature	
Range	0 ~60°C/32~140°F
Resolution	0.1°C/0.1°F
Accuracy	±1°C/±1.8°F
Offset Calibration Temperature	Reading ±10°C
Temperature Compensation	0~40°C/32~104°F, automatic
General	
Hold Function	Manual or auto-endpoint
Auto-Power Off Protection	40 minutes after last key pressed
Power	3×1.5V LR44 micro alkaline batteries/set, total 3 sets
Dimension	195*90*30mm
Weight	240g

PHS-500C Stirring pH Meter

Features
- Classical benchtop pH meter is equipped with a backlit LCD display.
- Automatic electrode diagnosis helps the user decide whether to replace the pH electrode.
- Automatic temperature compensation ensures accurate readings over the entire range.
- Adjustable stirring times and speeds.

Include:
- pH Electrode
- Inline Electrode Arm
- Pitman Electrode Arm
- pH Buffer Pouches
- Stir bar

Specifications

Model	PHS-500C
pH	
Range	0.00~14.00pH
Accuracy	±0.01pH
Calibration Points	2 points (pH4.01/7.00/10.01)
mV	
Range	-1999~1999mV
Accuracy	±1mV
Temperature	
Range	0~100°C
Resolution	0.1°C
Accuracy	±0.5°C
Stirrer	
Stirring Volume	0~2000mL
Stirring Speed	0~1250rpm
Top Plate Size	135×135mm
Plate Material	ceramics
Other Specifications	
Timer Range	0 to 999 minutes
Temperature Compensation	0~100°C, automatic
Connector	BNC
Power Requirements	AC 110V/60Hz
Dimensions	210×205×75mm
Weight	1.5kg

PE-20 pH/Conductivity Meter

Include:
- E201-10K pH sensor
- pH buffer solutions 4.01, 7.00, 10.01
- CON-1-10K conductivity sensor
- Conductivity standard solutions :
  84μS/cm, 1413μS/cm, 12.88mS/cm
- 9V DC power adapter

Features

Channel one: pH, mV, temperature
- 1 to 3 points calibration with automatic recognition for USA and NIST buffers.
- Automatic electrode diagnosis helps user decide whether to replace the pH electrode.
- Automatic temperature compensation ensures accurate readings over the entire range.
- Auto-Read function senses and locks the measurement endpoint.
- Setup menu allows setting the pH buffer set, number of calibration points, temperature unit, etc.
- Reset function automatically resumes all settings back to the factory defaults.

Channel two: Conductivity, TDS, temperature
- 1 to 3 points calibration with automatic recognition for conductivity standards .
- Selectable cell constant, temperature coefficient and TDS conversion factor .
- Automatic temperature compensation ensures accurate readings over the entire range.
- Auto-Read function senses and locks the measurement endpoint.
- Setup menu allows setting the number of calibration points, temperature unit, etc.
- Reset function automatically resumes all settings back to the factory defaults.

Specifications

Model	PE-20
pH	
Range	-1.00 to 15.00 pH
Resolution	0.01 pH
Accuracy	±0.01 pH
Calibration Points	1 to 3 points
pH Buffer Options	USA (pH 4.01/7.00/10.01) / NIST (pH 4.01/6.86/9.18)
mV	
Range	-1999 to 1999 mV
Resolution	1 mV
Accuracy	±1 mV
Temperature	
Range	0 to 105°C / 32 to 221°F
Resolution	0.1°C/°F
Accuracy	±1°C / ±1.8°F
Calibration	1 point
Calibration Range	Reading ±10°C/°F
Other Specifications	
Temperature Compensation	0 to 100°C / 32 to 212°F, manual or automatic
Hold Function	Manual / Auto-read measurement endpoint
Connector	BNC, 3.5 mm jack socket
Conductivity	
Range	0~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
Resolution	0.001, 0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
Calibration Points	1 to 3 points
Calibration Solutions	10 µS / 84 µS / 1413 µS / 12.88mS / 111.8mS
TDS	
Range	0 to 10.00, 100.0, 1000 ppm, 10.00, 200.0ppt
Resolution	0.01, 0.1, 1, automatic
Accuracy	±1% F.S.
TDS CONVERSION FACTOR	0.1 to 1.0 (default 0.5)

Temperature	
Range	0 to 105°C / 32 to 221°F
Resolution	0.1°C/°F
Accuracy	±1°C / ±1.8°F
Calibration	1 point
Calibration Range	Reading ±10°C/°F

Other Specifications	
Temperature Compensation	0~100°C/32~212°F, automatic
Temperature Coefficient	0.0 to 9.9%/°C
Reference Temperature	25°C
Cell Constant	K=0.1 / 1 / 10 / Custom
Hold Function	Manual / Auto-read measurement endpoint
Connector	6-pin mini-DIN, 3.5 mm jack socket

General	
Display	Custom LCD (135 × 75 mm)
Power Supply	9V DC power adapter
Environmental Conditions	0 to 50°C / 32 to 122°F, relative humidity < 80%
Dimensions	210 × 205 × 75 mm
Weight	2kg