

COMPANY INTRODUCTION

Since 2008, We have been dedicating to excellence in manufacturing laboratory and scientific instruments. We provide a full range of spectrophotometers including UV/VIS spectrophotometers, Microwave Digestion system, TOC analyzer. With high quality and good service, our products go into Environmental, Food, Cosmetics, Pharmaceutical, life science and chemical fields. Metash has a strong reputation in users and distributors.

We aim to be the leading supplier of analytical instruments in both China and worldwide, so we always attach great importance to the fact that we should provide the best to our customers. We have a first class management team, a strong R&D team and a passionate sales team who are willing to offer you reliable products and satisfactory service.

Our products are exported to over 80 countries through our authorized distribution network. We are also working on OEM and ODM basis with other major companies worldwide. We continue to look for reliable partners around the world and we look forward to growing with you.



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V-5000 VISIBLE SPECTROPHOTOMETER

V-5000 is a single beam visible spectrophotometer with manual wavelength setting. It is a basic model and ideal choice for routine analysis and general experiments. This specially designed single beam spectrophotometer is a low cost spectrophotometer which offers high performance, easy operation and wide application.

[Features]

* Microprocessor controlled

With microprocessor controlled, V-5000 can realize auto Zero and auto 100%T adjustment with one button. V-5000 has a LCD display instead of LED display for direct readout of Transmittance, Absorbance Concentration.

* Grating Monochromator

V-5000 uses 1200 line grating which ensures high resolution, low stray light and high parameters accuracy.

* Date output

V-5000 has a USB port which can be connected to PC to edit date through software. Data can also be printed through a parallel port when connected to a micro printer.

* Compact design, easy to carry

The compact design of V-5000 saves bench space while all components function remain performed like 120mm wide sample compartment and long optical path monochromator.

* Four Display Mode

V-5000 can display absorbance, transmittance, concentration and coefficient directly by different mode switching.

Technical Specification

Model	V-5000	Photometric Mode	T,A,C,F
Optical System	Single Beam, Grating 1200lines/mm	Stray Light	$\leq 0.2\%T@360nm$
Wavelength Range	325-1000nm	Stability	$\pm 0.002A/h@500nm$
Spectral Bandwidth	4nm	Display	LCD
Wavelength Accuracy	$\pm 2nm$	Detector	Silicon Photodiode
Wavelength Repeatability	$\leq 0.5nm$	Output	USB Port & Parallel Port(Printer)
Wavelength Setting	Manual	Light Source	Tungsten Halogen Lamp
Photometric Accuracy	$\pm 0.5\%T$	Power Requirements	AC 85-250V
Photometric Repeatability	$\leq 0.2\%T$	Dimension	420*280*180mm
Photometric Range	-0.3-3A,0-200%T,0-9999C	Weight	8kg

Standard Accessories

Item	Description	Quantity	Unit
1	Spectrophotometer	1	set
2	1cm Glass cuvette	4	pcs
3	Power cord	1	pcs
4	User's Manual	1	pcs
5	Black block	1	pcs
6	Dust Cover	1	pcs



V-5100/UV-5100 SPECTROPHOTOMETER

5100 series include 2 classic models with V-5100 works in visible range and UV-5100 works in UV/Vis range.

[Features]

- * **2.5" LCD screen**
Equipped with a 2.5" LCD screen to give a clear display of standard curves and groups of results.
- * **Imported deuterium lamp**
UV-5100 is equipped with imported deuterium lamp which ensures low stray light, photometric accuracy and is easy to be replaced.
- * **Standard curve**
Can set up various standard curves according to customer's solutions and find the concentration of unknown solutions.
- * **Date output**
5100 Series have a USB port to connect with a PC to display spectrum scanning, kinetics and multi-wavelength testing results on the screen. The software is optional
- * **Multiple results readout**
5100 Series display, wavelength, absorbance and transmittance with 5 results per screen. It also has a memory store of up to 200 results.
- * **Auto setting wavelength**
Users set wavelength automatically through arrow keys to avoid operation errors.

Technical Specification

Model	V-5100 / UV-5100	Photometric Mode	T,A,C,F
Optical System	Single Beam, Grating 1200lines/mm	Stray Light	≤0.1%T
Wavelength Range	325-1000nm/190-1000nm	Stability	±0.002A/h@500nm
Spectral Bandwidth	2nm	Display	128*64LCD
Wavelength Accuracy	±2nm	Detector	Silicon Photodiode
Wavelength Repeatability	0.5nm	Output	USB Port & Parallel Port(Printer)
Wavelength Setting	Auto	Light Source	Tungsten Lamp/Tungsten Lamp&D2 lamp
Wavelength Resolution	0.1nm	Power Requirements	AC 85-250V
Photometric Accuracy	±0.5%T	Dimension	420*280*180mm
Photometric Repeatability	≤0.2%T	Weight	10kg/11kg
Photometric Range	-0.3-3A,0-200%T,0-9999C		

Standard Accessories

Item	Description	Quantity	Unit
1	Spectrophotometer	1	set
2	1cm Glass cuvette	4	pcs
3	Power cord	1	pcs
4	User's Manual	1	pcs
5	1 cm quartz cuvette(UV series)	2	pcs
6	Dust Cover	1	pcs

