METASH
UV/VIS SPECTROPHOTOMETER

V5000 (NEW)

V-5000 is a basic model with high cost-performance. High quality silicon photometric diode detector and 1200 lines/mm grating ensure the high accuracy and precision.

Features

- Easy to use, Press one button for easy switching of Transmittance, Absorbance and Concentration modes.
- Auto zero and blank
- LCD display is clear enough to read from any distance, there's no need to search or squint
- Large sample compartment, it can accommodate 5-100mm path length cuvettes with optional holders.
- Pre-aligned design ensures the user to change lamp conveniently
- Optional software based on windows can expand the applications to standard Curve & Kinetics.
- Two-points-method to measure concentration of unknown samples.

Specifications

Optical System:	Single beam, 1200lines/mm grating	**Photometric Range:**	-0.3-3A, 0-200%T
Wavelength Range:	320-1000nm	**Output:**	USB Port (PC) Parallel Port (Printer)
Band width:	4nm	**Display:**	LCD
Wavelength Accuracy:	±2nm	**Light Source:**	W Lamp
Wavelength Repeatability:	1nm	**Detector:**	Silicon Photodiode
Photometric Accuracy:	±0.5%T	**Photmetric Mode:**	T, A, C, F
Photometric Repeatability:	0.3%T	**Dimension:**	420*280*180mm
Stray Light:	≤0.2%T	**Weight:**	8kg
Stability:	±0.002A/H	**Power Requirements:**	AC 85~250V

METASH
UV/VIS SPECTROPHOTOMETER

V5100/UV5100 (NEW)

Features

- Large LCD screen (128*64 Dots).
- Can display and save 50 groups of data, 5 groups per screen.
- Data can be restored after a sudden power cut.
- Auto setting wavelength.
- Automatical WL. Calibration and dark current getting.
- Optional software UV-BASIC can expand the applications to kinetics and Quantitatives.

Specifications

Optical System:	Single beam, 1200lines/mm grating	**Photometric Range:**	-0.3-3A, 0-200%T
Wavelength Range:	325-1000nm (V5100) 190-1000nm (UV5100)	**Output:**	USB Port & Parallel Port (Printer)
Band width:	4nm	**Wavelength Setting:**	Auto
Wavelength Accuracy:	±1nm	**Display:**	128*64 Dots LCD
Wavelength Repeatability:	0.5nm	**Light Source:**	W lamp(V5100) W lamp & D2 Lamp(UV5100)
Photometric Accuracy:	±0.5%T	**Detector:**	Silicon Photodiode
Photometric Repeatability:	0.3%T	**Standard Cell Holder:**	4-position 10nm cell changer
Stray Light:	≤0.3%T	**Dimension:**	420*280*180mm
Stability:	±0.002A/h @500nm	**Weight:**	12kg
		Power Requirements:	AC 85~250V

METASH
UV/VIS SPECTROPHOTOMETER

V5100/UV5100 (NEW)

METASH
UV/VIS SPECTROPHOTOMETER

V5800/UV5800 (NEW)

Firmware Functions

T Mode: Continuously measure the Transmittance of samples

A Mode: Continuously measure the Absorbance of samples

C Mode: Standard Curve method, can use at most 9 standard samples to create a new standard curve, and to measure the unknown samples by the new one.

F Mode: Coefficient Method, Input the known K and C to measure the unknown concentration samples.

Features

- Large LCD screen(128*64Dots).Can display total 200 groups of data, 5 groups per screen. Can display standard curve and the curve equation.
- Can save 200 groups of curve equation. Convenient for check and reload.
- Data can be restored after a sudden power cut.
- Auto setting wavelength. Auto zero and blank.
- Tungsten lamp & deuterium lamp can be turned on/off individually to extend lifetime.
- The Metash application software Meta-Spec provides complete control of the spectrophotometer from a computer through the USB port. The following functions can be easily achieved: Quantitative, Kinetics, Wavelength Scan, DNA/ Protein Test and Multi-wavelength Test.
- The flange of the D2 lamp makes it become true (Pre-aligned design) that there's no need to adjust the lamp when replace it.
- Large sample compartment, It can accommodate 5-100mm path length cuvettes with optional holders. A variety of optional accessories are under your choice.

Low Stray Light

The stray light of V5800/UV5800 is below 0.05%T. The monochromator is totally sealed and the optical surfaces are protected with a silicon dioxide membrane. The excellent optical system and electric circuit design ensures the very low stray light.