



XENON –PMT UV/Vis Dual Beam Scanning Spectrophotometer



Download
Catalogue



PMT-Photomultiplier tube, XENON Lamp

XENON Series of UV/Visible spectrophotometers, combined with ARM processing core. Automatic wavelength makes the instrument have the test speed and function of high-end instruments. It can meet the qualitative and quantitative analysis of most samples in the visible spectrum range of conventional laboratories. It is suitable for application in the departments of medicine and health, clinical examination, biochemistry, petrochemical industry, environmental protection and quality control.

Technical Specification:

- 10,1-inch color touch screen, realize simple and effective human-computer interaction, and clearly display test data and scan results.
- Built-in thermal printer (optional), to achieve the printout of test results, facilitates the formation and storage of data reports.
- USB communication port and included COLO UV/ Visible spectrum software, realize data and map processing functions, and storage of massive data files, and provide convenience for customers' secondary development.
- With full-band scanning, sub-band scanning, dynamic time scanning, automatic wavelength adjustment, automatic empty probe measurement, auto zero, linear regression, concentration direct reading, peak and valley detection, automatic concentration determination by the calibration curve, timing printing and other functions.
- Advanced power-off protection measures can memorize test data, scan spectrum, regression equations and instrument correction parameters to achieve rapid initialization.
- Automatic light door technology, no need for black body, protect photoelectric sensor.

Options:

- Built-in thermal printer
- COLO UV/Vis visible spectrum software Included
- 5cm or 10cm cuvette holder manual or automatic (optional)
- Standard 4x1cm cuvette holder included (automatic is optional)

Power Supply:

- Power supply voltage: AC220V ± 10%V 50Hz-60Hz
- Rated power: 100W



PMT – Photomultiplier tube

PMTs are extremely sensitive detectors of light in the ultraviolet, visible, and near-infrared ranges of the electromagnetic spectrum



LCD Touch Screen Digital Display

10,1 inch capacitive touch screen, to display curve, import test data, setting parameters



Professional Software

Professional COLO UV/ Vis Software is a standard configuration



Manual or Automatic Cell Holder

From micro cell to macro cell 100mm large 4 or 8 places manual or automatic cell change control



Human Interface with Help menu

Built in help menu provide shortcut to the important information about main instruments parameter

Spectrophotometer Type	XENON-PMT	XENON-PMTP	XENON-PMTS
PRICE			
Optical System	Double Beam, Optical grating 1200 lines/mm		
Wave Length Range nm	190-1100nm		
Spectral Bandwidth nm	2nm	1nm	0,5/1/2/4/5nm
Wavelength Accuracy	±0,3nm		
Wavelength Repeatability	≤0,1nm		
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)		
Photometric Repeatability	≤0.10%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)		
Photometric Range	0-200%T, -3~3A, 0-9999C (0-9999F)		
Stray Light	≤0.03%T (at 360nm)		
Stability	≤±0,0003A/h at 500nm		
Baseline Flatness	±0.0002A	±0.0001A	±0.0001A
Noise	0,0005 A at 500nm		
Baseline drift	0.003Abs / 0.5h		
Wavelength Setting	Auto		
Work Mode	T, A, C, E Multi-Function - Photometric, Quantitative, Spectral Scanning, Kinetics, DNA/protein...		
Light Source	Xenon Lamp/Tungsten-Halogen Lamp		
Wavelength scanning speed	fast, medium and slow		
Display	10.1" TFT Color Capacitive Touch Screen		
Detector	Photomultiplier tube - PMT		
Output	USB Host/USB Drive/RS232/SD Card		
Power	AC220V/50Hz 100W		
Instrument Size	590*475*250mm	590*475*250mm	760*560*280mm
Packing Size	810*660*390mm	810*660*390mm	880*690*520mm
Gross weight / Net Weight (kg)	20/33	20/33	28/47
Standard Configuration	Spectrophotometer with Euro plug power cable, 4 pcs glass cuvette, 2 pc quartz cuvette, Instruction manual,		
Option	Built in printer, professional software, WIFI xenon lamp control		



Single hole film holder



Auto 8-cell holder



single hole cell holder-10mm



Manual 4-position film holder



Manual 4-cell holder-100mm



Integrating Sphere



Adjustable XY micro cell holder



Tube rack



Peltier/Sipper system

Please note
If this Spectrophotometer does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

COLO LabExperts



Laboratory Equipment production and Distribution

www,colo,si

Presernov Trg 9
8000 Novo Mesto
Slovenia

tel. +386 590 48 880 E-mail: office@colo.si