



XENON UV/Vis Dual Beam Scanning Spectrophotometer



LCD Touch
Screen

XENON Flash Lamp, 190-1100nm / Double Beam



Auto
Scanning



Double Beam



Smart WI FI

Download
Catalogue



High quality flashing Xenon lamp which can start to test directly without preheating. The system starts measuring immediately using an intuitive start menu on a high-resolution, full-color display. 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
- micro to 10cm variable cuvette holder manual or automatic (optional)

Power Supply:

- Power supply voltage: AC100-240V, 50-60Hz
- Rated power: 100W



Smart Xenon Flash Lamp Control

To ensure a longer lifespan of the XENON flash lamp, with a built-in WI FI control connection, you can turn it on or off separately. COLO Xenon Flash Lamp warranty is 3 year.



LCD Touch Screen Digital Display

10,1-inch capacitive touch screen, high resolution, to avoid care, to display curve, import test data, setting parameters



Professional Software

Professional COLO UV/ Vis Communication Software is a standard configuration. Proper workstation for data storage and communication is optional.



Manual or Automatic Cell Holder

Variable cell holder 1cm to macro cell 10cm 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-200	XENON-250	XENON-250S
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	±0.5nm		
Wavelength Repeatability	<±0,2nm		
Wavelength Data Resolution	0.1, 0.2, 0.5, 1, 2, 5nm		
Photometric Accuracy	0.2%T(0~100%T), ±0.002A (@ 0.5A), ±0.004A(@ 1A), ±0.008A (@ 2.0A)		
Photometric Repeatability	≤0.10%T (0-100%T), ±0.001A (@ 1A)		
Photometric Range	0-200%T, -2A to +3.5A, 0-9999C (0-9999F)		
Display range	-3A to +5A		
Stray Light	≤ 1.0° T 1.98nm (KCL), < 0.05° P @ 2.20nm NaI, < 0.03° T @ 3.40nm (NA N2)		
Baseline Flatness	±0.002A		
Noise	≤0,00020 A at 0A at 260 and 500nm		
Baseline drift	≤0.0005A per hour		
Wavelength Setting	Auto		
Work Mode	T, A, C, E Multi-Function - Photometric, Quantitative, Spectral Scanning, Kinetics, DNA/protein, Reflectance ...		
Light Source	Xenon Flash Lamp		
Wavelength scanning speed	Fast, Medium and Slow (up to 1600nm)		
Display	10.1" TFT Color Capacitive Touch Screen, High Resolution		
Detector	Dual Silicon Photodiode		
Output	USB Host/USB Drive/RS232/SD Card		
Power	AC100-240V/50-60Hz 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 Accessoties	Spectrophotometer with Euro plug power cable, 4 pcs glass cuvette, 2 pc bare fast quartz cuvette of 10mm length, Instruction manual,		
Optional Accessories	Built in printer, professional software, auto 8-cell holder, Wi-Fi xenon lamp control, Reflection accessories		

Optional Accessories



Single hole film holder



Auto 8-cell holder



single hole cell holder-10mm



Manual 4-position film holder



Integrating Sphere



Manual 4-cell holder-100mm



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.

The manufacturer's warranty for the device is 1 year, and for the xenon flash lamp it is 3 years.

COLO LabExperts



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