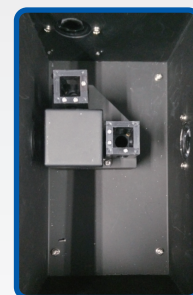


L7 Double Beam UV-VIS Spectrophotometer



- Double beam optical system
- 8-inch color touch-screen
- Automatic zero and full scale adjustment
- Automatic wavelength settings
- Equipped with USB COM port
- UV WIN8 Spectrum Data Processing Software optional
- Thermal plotter optional

Main Features

- 1、L7 double beam UV-VIS spectrophotometers adopt double beam optical system, and blazed holographic gratings. They have outstanding test precision and very competitive prices.
- 2、8-inch color touch-screen, cutting-edge user interface, powerful functions, and easy operation.
- 3、With powerful functions, the equipment shows great performance in qualitative and quantitative testing, such as:
 - Full-spectrum scanning
 - Detailed spectrum scanning
 - Time-based kinetics determination
 - GOTO λ
 - Linear regression
 - Concentration direct reading
 - Peak / Valley detecting
 - Multi-wavelength measurement
- 4、The equipment is designed with sophisticated power protection system. With high capacity of internal memory, it can store testing results, scanned images, regression equations and correction data. Therefore, it follows a fast initialization when power on.
- 5、The instrument can be connected with dedicated printer, which can print testing results, or draw curve from spectral scanning, fixed wavelength time-based scanning, and linear regression.
- 6、With USB COM port the device can be connected to a PC, which can not only enhance the performance in data testing and spectrum scanning, but also expand the memory to save more testing results.

Specifications

	L7
Photometry	Double Beam
Monochromator Type	Czerny-Turner
Focal Length	160mm
Grating	1200 lines/mm
Detector	Silicon Photocell
Spectrum Bandwidth	2nm
Wavelength Setting	8-inch color touch-screen
Wavelength Range	190-1100nm
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	≤0.2nm
Scanning Speed	Fast-Medium-Slow
Stray Light	≤0.03%T (at 220nm NaI, 360nm NaNO ₂)
Photometric Range	0.0-200.0%T -0.301-4.000A 0.000-9999C
Photometric Accuracy	±0.3%T ±0.002Abs (0-0.5A) ±0.004 Abs (0.5-1A)
Photometric Repeatability	≤0.15%T 0.001 Abs (0-0.5A) 0.002 Abs (0.5-1A)
Baseline	≤±0.002A (200-1090nm)
Noise	100% (T) noise≤0.15%(T) , 0% (T) noise≤0.1%(T)
Drifting	≤0.0009 Abs/30min (250nm and 500nm after 2h warm up)
Power	AC220V±22V 50Hz±1Hz, 200W
Packaging Size	740mm X 630mm X 450mm 0.21M ³ 35kg

Standard Accessories

Operation manual	1
Quartz cuvette 1cm	2pcs
Power cable	1
Fuse	2pcs

Optional Accessories

UV WIN8 Spectrum data processing software
Thermal plotter