Spectrophotometer

L7 Double Beam UV-VIS Spectrophotometer

NEW

USB

TOUCH LCD

CE

The instrument serves as the basic equipment for quallty control, technical evaluation and scientifio environmental monitoring, commodity inspection, petrochemical and other fields.

## Features

- 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
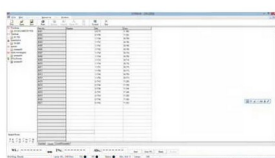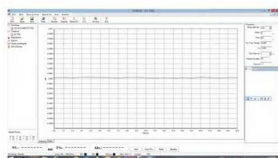
Standard Accessories

Operation manual	1
Glass cuvette 1cm	4pcs
Quartz cuvette 1cm	2pcs
Power cable	1
Fuse	2pcs

Optional Accessories

UV WIN8 Spectrum data processing software Thermal plotter

Common Features

- L7 double beam UV-VIS spectrophotometers adopt double beam optical system, and blazed holographic gratings. They have outstanding test precision and very competitive prices.

- 8-inch color touch-screen, cutting-edge user interface, powerful functions, and easy operation.

- 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 measuremen

- 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.

- 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.

- With USB COM port the device can be connected to a PC, which can not only enhance theperformance in data testing and spectrum scanning, but also expand the memory to save more testing results.

	L7
Photometry	Double Beam
Monochromator Type	Czerny-Turner
Focal Length	160mm
Grating	1200 lines/mm
Detector	Silicon Photocell
Spectrum Bandwidth	1.8nm
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 N_{al}, 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	710mm X 590mm X 505mm $0.21M^3$ 36kg