L7 Double Beam UV-VIS Spectrophotometer

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
- Linear regression
- Detailed spectrum scanning
- Concentration direct reading
- Time-based kinetics determination
- Peak / Valley detecting
- GOTO λ
- Multi-wavelength measurement

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 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.

Main 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 WTN8 Spectrum Data Processing Software optional

Specifications

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:	**±0.3nm**
Wavelength Repeatability:	**≤0.1nm**
Scanning Speed:	**Fast-Medium-Slow**
Stray Light :	**≤0.03%T(at 220nm Nal, 360nm NaNo2)**
Photometric Range:	**0.0-200.0% T, -0.301-4.000 A, 0.000-9999 C**
Photometric Accuracy:	**±0.3% T, ±0.002 Abs (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:	**≤±0.002 A(200-1090nm)**
Noise:	**100% (T) noise≤0.15%(T) , 0% (T) noise≤0.1%(T)**
Drifting:	**≤0.0009 Abs/h (250nm and 500nm after 2h warm up)**
Power:	**AC220V±22V 50Hz±lHz, 200W**
Packaging Size:	**710mm X 590mm X 505mm 0.21M³ 36kg**

Standrad Accessories

- Operation manual lpc
- Glass cuvette 10mm 4pcs
- Quartz cuvette 10mm 2pcs
- Power cable 1pc
- Fuse 2pcs
- Cuvette holder 10mm

Optional Accessories

- UV WIN8 station pro software
- no optional cuvette holder