

# Spectrophotometer



# L6S/L6 UV-VIS Spectrophotometer

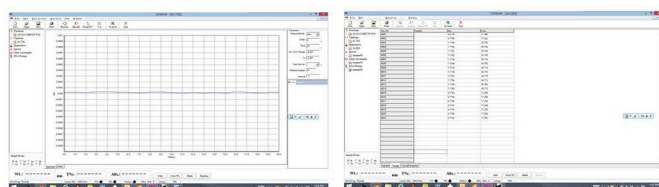
## L3S/L3 VIS Spectrophotometer

**NEW**



### Features

- Split beam optical system
- 8-inch multi color touch-screen
- Automatic zero and full scale adjustment
- Thermal plotter optional
- Automatic wavelength settings
- Automatic 8 position cuvette holder
- Equipped with USB port
- Software optional



#### Standard Accessories

User manual	1pc
Glass cuvette 1cm	4pcs
Quartz cuvette 1cm	2pcs ( L6,L6S only )
Power cable	1pc
Fuse	2pcs

#### Optional Accessories

- Thermal plotter
- Cuvette holder 50mm
- Cuvette holder 100mm
- UV WIN8 Spectrum data processing software

## Common Features

- Legend series spectrophotometers adopt split beam survey optical system, and blazed holographic gratings. They have outstanding test precision and very competitive prices.
- 8-inch multi color touch-screen, cutting-edge user interface, powerful functions, and easy operation.
- The automated 8 position cuvette holder facilitates the operation under each measurement mode.
- 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
  - GOTOA
  - Linear regression
  - Concentration direct reading
  - Peak / Valley detecting
  - 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 be connected with dedicated printer, which can print testing results, or draw curve from spectral scanning, fixed wavelength time-based scanning, and linear regression.
- There is a USB port on the device, and UVwin8 software is optional to order. 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.

	L6S	L6	L3S	L3
Photometry	Split 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		325-1100nm	
Wavelength Accuracy	±0.5nm			
Wavelength Repeatability	≤0.2nm			
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)		±0.5%T	
Photometric Repeatability	≤0.15%T 0.001 Abs (0-0.5A) 0.002 Abs (0.5-1A)		≤0.2%T	
Scanning Speed	Fast-Medium-Slow	○	Fast-Medium-Slow	○
Baseline	≤±0.002A (200-1090nm)	○	≤±0.002A (335-1090nm)	○
Stray Light	≤0.03%T ( at 220nm NaI, 360nm NaNO <sub>2</sub> )	≤0.05%T ( at 220nm NaI, 360nm NaNO <sub>2</sub> )	≤0.05%T ( at 360nm NaNO <sub>2</sub> )	
Noise	100% (T) noise≤0.15%(T) , 0% (T) noise≤0.1%(T)		100% (T) noise≤0.2%(T) , 0% (T) noise≤0.1%(T)	
Drifting	±0.0009 Abs/30min (at 250nm and 500nm after 2h warm up)		±0.0009 Abs/30min (at 500nm after 2h warm up)	
Power	AC220V±22V 50Hz±1Hz,200W		AC220V±22V 50Hz±1Hz,120W	
Packaging Size	710mm X 590mm X 505mm 0.21M <sup>3</sup> 40kg			