

L Series Split Beam UV-VIS Spectrophotometer

The L series of spectrophotometers adopt proportion double beam survey optical system, and blazed holographic gratings. They have outstanding test precision and very competitive prices.

7-inch color touch screen LCD display, Cutting-edge user interface, Powerful functions, and Easy operation.

The automated eight-position cell 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
- * GOTO λ
- * 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 package 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.



	L3	L3S	L6	L6S
	-----	Scanning	-----	Scanning
Operation and Display	7 in. Touch Screen		7 in. Touch Screen	
Wavelength Range (nm)	325-1100		190-1100	
Wavelength MPE	$\pm 0.5\text{nm}$		$\pm 0.5\text{nm}$	
Wavelength Repeatability	$\leq 0.2\text{nm}$		$\leq 0.2\text{nm}$	
Transmittance MPE	$\pm 0.5\%T$		$\pm 0.3\%T$	
Transmittance Repeatability	$\leq 0.20\%T$		$\leq 0.15\%T$	
Transmittance Measuring Range	0.0%-200.0% (T)		0.0%-200.0% (T)	
Absorbance Measuring Range	-0.301-4.000 (A)		-0.301-4.000 (A)	
Spectrum Bandwidth	2nm		2nm	
Stray Light	$\leq 0.05\%T$		$\leq 0.05\%T$	$\leq 0.03\%T$
Drift	-----	$\leq 0.0009A/0.5h$ (2h, 500nm)	-----	$\leq 0.0009A/0.5h$ (2h, 250nm\500nm)
Signal Noise	100%T Noise $\leq 0.20\%T$ 0%T Noises $\leq 0.10\%T$		100%T Noise $\leq 0.15\%T$ 0%T Noises $\leq 0.10\%T$	
Baseline Flatness	-----	$\pm 0.002A$ (335-1090nm)	-----	$\pm 0.002A$ (200-1090nm)
Overall Dimensions	550*430*200 (mm)			
Gross Weight	20kg		23kg	
Software	Optional			