

Spectrophotometer



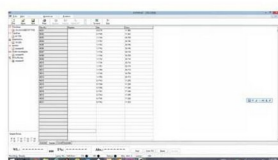
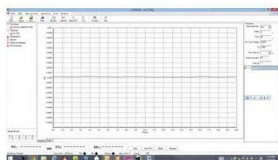
L9/L8 Double Beam UV-VIS Spectrophotometer



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

Features

The L9 \ L8 double beam UV-Vis spectrophotometer applies a new optical bench, with 5-speed adjustable bandwidth(L9 only), ARM chip control and data processing, 8-inch color touch-screen which displays menu and spectral curve and can analyze spectrum test data. It's quite easy for user and computer interaction. The instrument can perform following operations, including photometry, automatic scanning spectral measurement, quantitative analysis, dynamic analysis, and multi-wavelength measurement



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
Cuvette holder 50mm
Cuvette holder 100mm

Common Features

- New optical platform, enabling the host machine with excellent optical properties, metering performance, low stray light and noise, high metering accuracy and stability
- Unique system of deuterium and tungsten lamp installation, facilitating the light source to automatically switch to the best position, and allowing users to operate the instrument, replace the light source and maintain the instrument more conveniently, accurately and safely.
- Sophisticated hardware and software design, empowering the instrument with powerful spectral data processing and storage capabilities, and performing following functions, including automatic scanning of measured spectrum, multi-wavelength (1-3 λ) measurement, kinetic measurement, 1-3 curve fitting, 1-4 derivative spectra, spectra printing and storage and data analysis.
- 8-inch color touch-screen, with a good user-machine interface, easy-to- operate.
- USB communication port.

	L9	L8
Photometry	Double Beam	
Monochromator Type	Czerny-Turner	
Focal Length	200mm	
Grating	1600 lines/mm	
Detector	Silicon Photocell	
Spectrum Bandwidth	0.5nm, 1nm, 2nm, 4nm, 5nm	2nm or 1nm
Wavelength Setting	8-inch color touch-screen	
Wavelength Range	190-1100nm	
Wavelength Accuracy	± 0.3 nm	
Wavelength Repeatability	≤ 0.1 nm	
Scanning Speed	Fast-Medium-Slow	
Stray Light	$\leq 0.02\%$ T (at 220nm NaI, 360nm NaNo ₂)	
Photometric Range	0.0-200.0%T -0.301-4.000A 0.000-9999C	
Photometric Accuracy	$\pm 0.3\%$ T ± 0.002 Abs (0-0.5A) ± 0.004 Abs (0.5-1A)	
Photometric Repeatability	$\leq 0.15\%$ T 0.001 Abs (0-0.5A) 0.002 Abs (0.5-1A)	
Baseline	$\leq \pm 0.0008$ A(200-1090nm)	
Noise	100% (T) noise $\leq 0.1\%$ (T) , 0% (T) noise $\leq 0.02\%$ (T)	
Drifting	≤ 0.004 Abs/h (250nm and 500nm after 2h warm up)	
COM Port	USB	
Light Source	Hamamatsu D ₂ lamp, Osram halogen tungsten lamp	
Power	AC220V ± 22 V 50Hz ± 1 Hz, 200W	
Packaging Size	730mm X 630mm X 450mm 0.21M ³ 42.5kg	