The L9 double beam UV-Vis spectrophotometer applies a new optical bench, with 5-speed adjustable bandwidth, 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.

The instrument serves as the basic equipment for quality control, technical evaluation and scientific research, and can be widely used in susceptibility testing, medicine and health, biochemistry, environmental monitoring, commodity inspection, petrochemical and other fields.

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.

Specification

Photometry	Double Beam
Monochromator Type	Czerny-Turner
Focal Length	200mm
Grating	1600 lines/mm
Detector	Silicon Photocell
Wavelength Setting	8-inch color touch-screen
Wavelength Range	190-1100nm
Spectrum Bandwidth	0.5nm,1nm,2nm,4nm,5nm
Wavelength Accuracy	±0.3nm (actual test ±0.2nm)
Wavelength Repeatability	≤0.1nm
Scanning Speed	Fast-Medium-Slow
Stray Light	≤0.02%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	≤±0.0008 A(200-1090nm)
Noise	100% (T) noise≤0.1%(T) , 0% (T) noise≤0.02%(T)
Drifting	≤0.004 Abs/h (250nm and 500nm after 2h warm up)
COM Port	USB
Light Source	Hamamatsu D2 lamp, Osram halogen tungsten lamp
Power	AC220V±22V 50Hz±1Hz, 200W
Packaging Size	730mm X 630mm X 450mm 0.21M3 42.5kg

Standrad Accessories	Operation manual 1
	Glass cuvette 1cm 4pcs
	Quartz cuvette 1cm 2pcs
	Power cable 1
	Fuse 2pcs
	Cuvette holder 10mm
Optional Accessories	UV WIN8 Spectrum data processing software
	Thermal Plotter
	Cuvette holder 100mm
	Cuvette holder 50mm