

LABWAN UV/VIS SPECTROPHOTOMETER VARIABLE BANDWIDTH DOUBLE BEAM

▶ Product Description

LABWAN LUV-1990S UV/VIS Spectrophotometer features a 190–1100 nm wavelength range, 0.5/1/2/4 nm variable bandwidth, double-beam optics, 7" colour LCD, and D2 & Tungsten Halogen lamps. Suitable for pharmaceutical, chemical, food, environmental, research and QC laboratories for accurate absorbance and spectral analysis.

▶ Features

- With spectral scanning function.
- Can measure up to 6 wavelengths at a single time.
- Large colourful screen for ease, can scan wavelength directly on the device.
- Parallel port & USB port.
- Imported Japanese lamps & sensor results in perfect measurements.

▶ Accessories

- Software
- 10 mm Glass Cuvette
- 10 mm Quartz Cuvette
- Instruction Manual
- Power Cord



Function

► Functions

- Two detectors measure sample and reference simultaneously.
- Improved circuit design ensures stability and reduces stray light.
- Sturdy design with rigid base for reliable operation.
- Large colourful LCD displays results and curves clearly.
- Multiple software functions including wavelength scanning, kinetics, multi-wavelength and DNA/protein testing.
- Data can be saved in CSV format and exported to PC.
- Peak filtering and smoothing function for improved analysis.

PARAMETER	SPECIFICATION
Product Name	UV/VIS Spectrophotometer
Model	LUV-1990S
Make	LABWAN
Bandwidth	0.5, 1.0, 2.0 and 4.0 nm
Cell Holder	Sample & reference cuvette holder (both 10mm)
Optical System	Double Beam (1200 lines/mm Grating)
Wavelength Range	190 ~ 1100 nm
Wavelength Accuracy	± 0.3 nm
Wavelength Repeatability	± 0.2 nm
Scanning Speed	High, Medium, Low (Max. 3000 nm/min)
Photometric Range	-3 ~ 3A, 0~200%T, 0~9999C
Photometric Accuracy (T)	± 0.2%T
Photometric Repeatability	0.15%T, 0.001A (0-0.5A), 0.002A (0.5-1 A)
Stability	± 0.001 A/h (500 nm, preheating for 1 hr)
Photometric Accuracy (A)	≤±0.002A (0~0.5A), ≤±0.004A (0.5~1A), ≤±0.006A (>2.0)
Baseline Flatness & Noise	± 0.001A/h, 0.0005A at 500 nm
Stray Light	<0.03%T @ 220nm, 360nm
Data Output	USB, RS232
Printer Port	Parallel Port
Display	7" Large Colourful LCD
Lamps	D2 & Tungsten Halogen Lamp
Detector	Silicone Photodiode
Power Supply	AC 220V / 50Hz
Dimensions & Weight	590 × 475 × 250mm & 20 kg