

UV-VIS Spectrophotometer (Double Beam)

SPM-UVD1



Features

SPM-UVD1 is a microprocessor based double beam spectrophotometer with variable band width

- Double beam ensure low drift, low noise and Low stray light
- High speed MCU, high precision AD, large storage capacity
- Large LCD display (320*240 Dots)
- Data and Curve can be stored in real-time
- Online software upgrade capability
- Lamps can be turned on/off individually
- Easy to change Pre-aligned lamps.
- Photometric analysis, Quantitative analysis, Spectral scanning, Kinetics, DNA/Protein analysis, etc.

Specifications

Wavelength Range	190 - 1100 nm
Optical System	Double Beam, Blazed Holographic Grating (1200 lines/mm)
Spectral Bandwidth	1nm
Wavelength Accuracy	±0.5 nm
Wavelength Repeatability	≤ 0.2 nm
Wavelength Setting	Auto, Resolution 0.1nm
Photometric Range	0~200% T; -4~4A; 0~9999C
Photometric Accuracy	±0.002 A (0~0.5A); ±0.003 A (0.5~1A); ±0.3% T (0~100%T)
Photometric Repeatability	≤ 0.001 A (0~0.5A); ≤ 0.002 A (0.5~1A); ≤ 0.2% T (0~100%T)
Stray Light	< 0.05% T (220/360nm)
Scan Speed	High, Medium, Low. (Max. 2000nm/minute)
Base-Line Flattness	±0.001 A
Stability	±0.001A/h (500nm; 0A)
Noise	≤ 0.2%T/3min (250/500nm, 0%T); =0.3%T/3min (250/500nm, 100%T)
Light Source	Tungsten & Deuterium Lamp (Pre-aligned)
Detector	Silicon Photodiode
Sample Compartment	10mm path length
Output	USB Port (Data) & Parallel Port (Printer)
Dimension (W x L x H)	545 x 468 x 245 mm
Weight	18 kg

Standard Accessories

- Quartz Cell - 2 Nos.
- Glass Cell - 4 Nos.
- Software CD - 1 No.
- Software Key - 1 No.
- Power Cable - 1 No.
- RS 232 Cable - 1 No.
- Dust Cover- 1 No.
- Manual - 1 No.