



Spectro UV-Vis Double Beam Research Spectrophotometer

Model UVD-3500

Software Specifications

Spectro UV-VIS Double Beam UVD 3500 Research Spectrophotometer is a superior instrument for the research laboratory and is an advanced and affordable system that generates accurate and reproducible measurements. UVD-3500 spectrophotometer is accurate, reliable, and an exceptional value. With its narrow beam design, the system provides optimal and reproducible results for micro and macro samples with high resolution.

Spectro UV-VIS Double Beam UVD 3500 has a powerful built in software which permits this instrument to be linked to a computer and a printer to display the photometric and spectral data on the PC monitor. This spectrophotometer is rugged, reliable, affordable, and maintenance free. Spectro UV-VIS Double Beam UVD 3500's enhanced transmission and full reflection makes this double beam spectrophotometer highly effective and reduces noise.

Spectro UV-VIS Double Beam UVD 3500's advantage is its accurate wavelength, ease of operation, versatile software application, and effortless optional accessory installation. This instrument can be used for analyzing solid samples through use of an optional reflectance accessory and integrating sphere.

Spectro UV-Vis Double Beam (Model UVD-3500) with variable bandwidth of 0.1, 0.2, 0.5, 1.0, 2.0 and 5.0 nm is a high-performance, reliable, and exceptional value instrument which is the hallmark of Labomed UV-Vis spectrophotometers.

Technical Specifications

Optical System	Double Beam. The monochromator of Czerny-Turner configuration with high-resolution diffraction holographic grating	Software Support:	UV-Win
Wavelength range:	190 nm – 900 nm	Scanning Speed:	Selectable
Spectral Bandwidth:	0.1, 0.2, 0.5, 1.0, 2.0, and 5.0nm.	Interface Card:	PC Compatible
Straylight:	≤0.01%T (220nm NaI, 340nm NaNO ₂)	Detector:	Photo multiplier tube
Wavelength Accuracy:	±0.3 nm	Photometric Display:	Unlimited
Wavelength Reproducibility:	≤0.1 nm	Photometric Noise:	±0.0004A (500nm), 30min warm-up
Photometric System:	The double-beam monitoring ratio system.	Slew rate of wavelength:	2400nm/min
Photometric Method:	Transmittance, Absorbance, Energy Concentration, All Using UV-Win Software	DNA/RNA Measurement	Available in UV/Win software
Photometric Range:	-4.0~4.0 Abs	Mainframe:	Compact and standalone mainframe
Photometric Accuracy:	±0.002A (0~0.5A), ±0.004A (0.5~1.0A), ±0.3T (0~100%T)	Light Source:	Tungsten Halogen and Deuterium Arc Lamps
Photometric Reproducibility:	±0.001A (0~0.5A)	Sample Chamber:	With accessories like two-cell sample holder and optional integrating sphere.
Baseline Flatness:	±0.001Abs (200~850nm)	Power Supply:	Switchable 120~230VAC 50~60Hz
Baseline Stability:	±0.0008A/h (500nm, 0Abs) 2 hr warm-up	Size:	587mm. x 562mm. x 260mm.
PC Interface:	RS-232	Weight:	34 Kg.