



# 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

Wavelength range:	190 nm – 900 nm	Absorbance Range:	-9.999 to 9.999 ABS
Spectral Bandwidth:	0.1, 0.2, 0.5nm, 1.0nm, 2.0nm, and 5.0 nm.	Continuously variable	
Straylight:	0.02%T	spectral bandwidth from:	0.1, 0.2, 0.5, 1.0, 2.0 and 5.0 nm.
Wavelength accuracy:	±0.3 nm(automatic correction)	Scanning Speed:	1000 nm/min
Wavelength Reproducibility:	0.1 nm	Interface Card:	PC Compatible
Photometric System:	The double-beam monitoring ratio system.	Detector:	Hi sensitivity R928 multiplier detector.
Optical System:	The monochromator of Czerny-Turner configuration with high-resolution diffraction holographic grating.	Photometric Display:	Unlimited
Photometric Method:	Transmittance, absorbance, reflectance, energy, concentration.	Photometric Noise:	< ±0.0003 Abs (500nm, 0Abs, 2nm Bandwidth)
Photometric Range:	-4.0 ~ 4.0 Abs	Slew rate of wavelength:	2400nm/min
Photometric Accuracy:	3%T 0.300%T	DNA/RNA Measurement	Results Printout
Photometric Reproducibility:	0.001Abs(0~0.5 Abs) 0.001Abs(0.5~1.0 Abs)	Mainframe:	Compact and standalone mainframe
Baseline Flatness:	±0.001Abs	Light Source:	Socket Deuterium Lamp and Socket Tungsten Halogen Lamp.
Resolution:	1400nm/min	Sample Chamber:	With accessories like two-cell sample holder and optional integrating sphere.
Baseline Stability:	0004Abs/h (@ 500nm, after preheating)	Size:	587mm. x 562mm. x 260mm.
		Weight:	34 Kg.