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, 5.0 nm. (6 steps)	Continuously variable	
Straylight:	> 2.1Abs	spectral bandwidth from:	0.1, 0.2, 0.5, 1.0, 2.0 and 5.0 nm
Wavelength Accuracy:	±0.3 nm (with built-in automatic correction)	Scanning Speed:	1000 nm/min.
Wavelength Reproducibility:	0.1 nm resolution	Interface Card:	PC Compatible
Photometric System:	Double-beam, dynamic feedback direct ratio recording system	Detector:	High sensitivity R928 multiplier
Optical System:	The monochromator of Czerny-Turner configuration	Photometric Display:	Unlimited
	with high-resolution diffraction holographic grating.	Photometric Noise:	<0,0005 Abs et <0,2% T (500 nm, avec bande passante du spectre 2 nm)
Photometric Method:	Transmittance, absorbance, energy,	Slew Rate of Wavelength:	2400nm/min
	concentration	DNA/RNA Measurement:	Results Printout
Photometric Range:	-4.0~4.0 Abs	Mainframe:	Compact and standalone mainframe
Photometric Accuracy:	±0.002 Abs (0-0.5 Abs), ±0.004 Abs (0.5-1.0 Abs), ±0.3%T (0-100%T)	Light Source:	Socket Deuterium Lamp and Socket
Photometric Reproducibility:	0.001Abs (0~0.5 Abs), 0.002Abs (0.5~1.0Abs),		Tungsten Halogen Lamp
	0.15%T (0~100%T)	Sample Chamber:	With accessories like two-cell sample holder
Baseline Flatness:	±0.001Abs (scan in 850-200nm, medium speed, 2nm spectrum bandwidth)		and optional integrating sphere.
Resolution:	0.1nm	Size:	587mm x 562mm x 260mm
Baseline Stability:	<0.0004Abs/h (2 hr warmup, kinetic scan 500nm, 2nm spectrum bandwidth)	Weight:	34 Kg

Labomed, Inc. • 2728 S. La Cienega Blvd. • Los Angeles, CA 90034 U.S.A. • Tel. (310) 202-0811 • Fax (310) 202-7286 • Email: spectro@labomed.com • Website: www.labomed.com