



UV-Vis Dual Beam PC Scanning Spectrophotometer UV-Vis Split Beam 8 Auto Cell

Model UVS-2800



Spectro UV-Vis Dual Beam is a precise scanning Spectrophotometer with a new design of 8 microprocessor automatic 2 row cell holder that moves noiseless with a special membrane. This has a single detector and a very accurate system.

Spectro UV-Vis Dual Beam is microcomputer-controlled and has a large LCD display to work independently. It can also be linked to a computer and a printer to show Photometric and Spectral data in the PC monitor. This connection is controlled by the RS232 AND USB interface, compatible with Windows XP, 7 and 8, using the new UVWin 6.0 UV-VIS application software.

Spectro UV-Vis Dual Beam is also capable of performing kinetic test by an optional Peltier constant temperature system, and can test flow through liquid by the optional Sipper Flow Through System.

Spectro UV-Vis Dual Beam can be used as an accurate system for qualitative and quantitative analysis of analytical test, Biochemistry, Chemistry, Clinical Analysis, Pharmaceutical and Agriculture Labs, Quality control, Industry and research.

Spectro UV-Vis Dual Beam can perform protein, nucleic acid, DNA/RNA micro and macro measurements, that can also be printed using an external HP 600/800 series printer or a PC printer.

Spectro UV-Vis Dual Beam with variable bandwidth of **has variable bandwidth of 0.5, 1.0 2.0 and 5.0 nm. (UVS-2800).**

OUR NEW SOFTWARE UV-WIN 6.0 WITH 3D SPECTRA Now all Labomed, Inc. split and double beam spectrophotometers with our newly developed software called UV-Win 6.0 can be used with Windows XP, Windows 7 and Windows 8. It is capable of testing more applications with its RS-232 and USB connections, and supports the data export of measured results to the PC and then, if required, a USB flash drive, when additional data storage is required. One of the new features is that it provides 3-D graphing of the spectral results.

Labomed, Inc. is certified by ISO-9001-2008, has CE Conformity and is FDA Licensed. **This Spectro comes with a USB port interface and cable to link to a PC.**

Features

- **Baseline Stability:** The monitoring ratio system enhances baseline stability.
- **Excellent Resolution:** The big-caliber light path enhances the instrument's energy, reduces its noise and raises its resolution performance.
- **Automatic successive measurement:** The automatic eight-cell sample holder offers the automatic measurement of eight samples in succession. So it can bring about one-touch measurement of the solution of seven samples and a blank.
- **User-friendly light source:** The socket deuterium lamps and tungsten lamps facilitate light source replacement, simplify maintenance and reduce operation error.
- **Convenient Display:** The large backlit LCD screen displays both photometric values and spectral curves.
- **Full use of Computer Technology:** Being computer controlled with RS-232 and USB interface and Windows XP, 7 and 8 with the UVWin 6.0 application software, offering a wide range of uses and applications.
- **The key components:** Adopted from the world famous manufacturer, such as deuterium lamp, silicon photodiode and holographic grating, they ensure the stabilization and credibility of the Instrument for extended life.
- **Computer System is optional (NOT INCLUDED).**

Accessories

- 8 Auto Cell Holder
- 8 Optical Glass Cells 10mm.
- 2 Quartz Cells 10mm.
- 1 Dust cover
- 1 Instruction manual
- 1 Power cable
- 1 PC cable
- 1 Software CD for Windows XP, 7 and 8
- 1 Software Operation Manual
- 1 Block Light Cell
- 1 Extra fuse
- OPTIONAL:** Peltier Kinetic Test System
- OPTIONAL:** Sipper Flow Through System



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Software Specifications

Spectro UV-Vis is a precise scanning Spectrophotometer with a new design of 8 microprocessor automatic 2 row cell holder that moves noiseless with a special membrane. This Dual Beam Spectro has a dual detector and a very accurate system. Spectro UV-Vis is microcomputer-controlled and has a large LCD display to work independently. It can also be linked to a computer and a printer to show Photometric and Spectral data in the PC monitor. This connection is controlled by the RS232 and USB interface, compatible with Windows XP, 7 and 8, using the new UVWin 6.0 UV-VIS application software.

Spectro UV-Vis is also capable of performing kinetic test by an optional Peltier constant temperature system, and can test flow through liquid by the optional Sipper Flow Through System. Spectro UV-Vis can be used as an accurate system for qualitative and quantitative analysis of analytical test, Biochemistry, Chemistry, Clinical Analysis, Pharmaceutical and Agriculture Labs, Quality control, Industry and research.

Spectro UV-Vis can perform protein, nucleic acid, DNA/RNA micro and macro measurements, that can also be printed using an external HP 600/800 series printer or a PC printer.

Spectro UV-Vis with variable bandwidth of 0.5, 1.0 2.0 and 5.0 nm (UVS-2800).

This Spectro can be used by itself or linked to a PC and comes with a USB interface to connect to the computer.

Technical Specifications

Wavelength:	190 nm - 1100 nm	Reference:	0.001A/30 min (2 hours warming up, 2nm bandwidth, at 500 nm)
Spectral bandwidth:	0.5, 1.0 2.0 and 5.0 nm (UVS-2800)	Slew rate of Wavelength:	3600nm/min
Resolution:	0.1nm	DNA / RNA measurement:	
Straylight:	≤0.12%T (220nm NaI, 340nm NaNO ₂)	Printer: Not Available	Printing of measured data by using HP Deskjet series 600/800 (optional)
Wavelength accuracy:	± 0.3 nm (with automatic wavelength correction)	Mainframe:	Compact and standalone spectrophotometer mainframe
Wavelength Reproducibility:	± 0.2 nm	Light Source:	Socket Deuterium Lamp and Socket Tungsten
Photovoltaic system:	Dual Beam ratio monitoring system (UVS-2800)		Halogen Lamp
Optical method:	Transmittance, absorbance, energy and concentration	Detector:	Silicon photo diode
Photometric Range:	-0.3 ~ 3.0 Abs	Sample Chamber:	Automatic eight-cell sample holder/changer
Photometric Accuracy:	± 0.001Abs (0 ~ 0.5), 0.004Abs ± (0.5 ~ 1.0)	Screen	Digital LCD Display
	± 0.3% T (0 ~ 100% T)	Keyboard:	Touch soft keys
Photometric Reproducibility:	± 0.002Abs ± (0.5 ~ 1.0)	PC interface:	RS-232 / USB
	± 0.15% T (0 ~ 100% T)	Standard Functionality:	Photometric, Quantitative, Spectrum, and
Optical display:	-9.999----9.999		DNA Measurements
Photometric Noise:	± 0.001Abs (500 nm) 30 min warm up	Software Support:	RS232/UVWin
Scanning speed:	1400nm/min or selectable	Size:	520mm, 420mm, 230mm
Baseline Flatness:	± 0.002Abs (200-1100nm)	Weight:	25Kg
		Power Supply:	Switchable 120-230VAC 50-60Hz