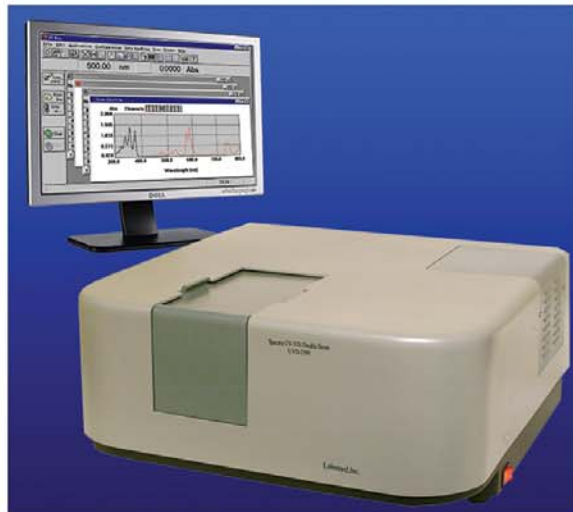




# Spectro UV-Vis Double Beam Research Spectrophotometer

**Model UVD-3500**



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. 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. This Spectro can be used for chemistry and **biochemistry labs, as well as in quality control departments, environmental control, water management, food processing, Petrochemistry, agriculture and DNA/RNA measurement**. The CT-type monochromator reduces stray light and widens the photometric range. Spectro UV-Vis Double Beam (Model UVD-3500) has variable bandwidth of 0.1, 0.2, 0.5, 1.0, 2.0 and 5.0 nm. The variable bandwidth allows this instrument to scan samples with excellent resolution.

**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 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-9001-2000, has CE Conformity and is FDA Licensed.

## Features

- **Excellent Performance** : The high-performance diffraction grating spectrophotometer with a Czerny-Turner Mounting with a Holographic Grating keeps stray light to a minimum, and offers excellent optical resolution over a wide spectral range. The use of photomultipliers as detectors offers exceptional stability.
- **Very Stable Baseline**: The true double-beam optical array, coupled with an efficient control system, ensures high stability and low background noise.
- **High Resolution**: The double beam optical design, coupled with a high specification holographic grating, gives excellent wavelength separation, and allows the user to examine wavelengths that are very close whilst providing excellent ratio to background noise.
- **Accurate Wavelength**: The automatic wavelength control system and the automatic light sensors ensure wavelength accuracy and high performance of the instrument.
- **Easy Accessories Replacement**: The modular structure of the sample chamber enables the easy use of a wide range of optional accessories and ensures the accurate analysis of various sample types.
- **User-friendly Serviceability**: The user-friendly design of the light source chamber for the deuterium lamp and tungsten halogen lamp allows an easy light source and simplified routine maintenance.
- **Versatile Application Software**: The UV-Win user-friendly operating software operating on a Windows platform offers many operational and data processing capabilities. Thus presenting the user with a very versatile, simple-to-use spectrophotometer system.
- **Key Components**: All of the components used are selected by their reliability and continued high performance.
- **Computer System** is optional (NOT INCLUDED).
- Spectro UVD-3500 can carry reflectance accessory by Integrating Sphere & Angle Changer.

## Accessories

2 Fixed Cell Holder  
4 Optical Glass Cells 10mm  
2 Quartz Cells 10mm  
Computer link cable  
Computer Software - Windows XP, Windows 7 and Windows 8 compatible

Dust cover  
Instruction manual  
Software Instructions  
Power cable  
*Optional: Sipper Flow through System (Not Included)*  
*Optional: Kinetic Test Peltier System (Not Included)*