



Spectro UV-Vis Double Beam Research Spectrophotometer

Model UVD-3500

Functions

The Spectro UV-VIS Double Beam UVD 3500 Research Spectrophotometer applications software allows the simultaneous display of different measurement windows, toggling between different measurement modes can be achieved with ease. The Spectrophotometer and all accessories are under the control of the UV-Win Software. A hard copy of data can be easily be obtained and data can also be exported to other Windows-based programs for further data manipulation.

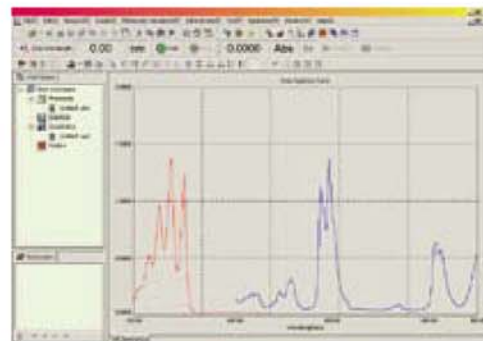
The multi-wavelength photometry can measure the absorbance and transmittance of samples using multiple wavelengths, average the measured values, and make calculations based upon operator derived factors and coefficients.

Multi-channel measurements with color display and printout, and various capabilities for data processing can meet the needs of most chemists. This module allows manipulation of information and data display, from spectra calculations to various transforms such as 1st -4th derivative, smoothing, and logarithms. The data output for peak-picking and data-picking is also available.

Creation of a standard curve is simple in quantitative analysis mode. This module has many powerful features, such as determination of 1st-4th order curve coefficients, and very accurate measurements can also be made on samples with non-linear absorbance. The quantitative methods use single wavelength, two-wavelength, coefficient two-wavelength, three wavelength, and 1st-4th derivatives.

Kinetic measurements can monitor the changes of absorbance and transmittance against time at 10 different wavelengths, and can easily supply important information about the changes in a sample. This module allows manipulation of information and data display, from calculation of curves to various transforms, such as 1st-4th derivatives, smoothing, and logarithms, etc. The data output of peak-pick and data-pick is also available.

DNA and protein analysis is provided by a unique purpose designed program.



Wavelength (nm)	Absorbance	Transmittance
210	0.0000	0.9999
220	0.0000	0.9999
230	0.0000	0.9999
240	0.0000	0.9999
250	0.0000	0.9999
260	0.0000	0.9999
270	0.0000	0.9999
280	0.0000	0.9999
290	0.0000	0.9999
300	0.0000	0.9999
310	0.0000	0.9999
320	0.0000	0.9999
330	0.0000	0.9999
340	0.0000	0.9999
350	0.0000	0.9999
360	0.0000	0.9999
370	0.0000	0.9999
380	0.0000	0.9999
390	0.0000	0.9999
400	0.0000	0.9999

