



Spectro UV-VIS Auto Scanning Spectrophotometer

Model UV-2602

Software Specifications

Such operations as photometry measurement, spectrum measurement, quantitation measurement and kinetic measurement are offered in UV-Win Windows applications.

Multi-wavelengths photometric measurement at up to 10 wavelengths with the arithmetic calculation according to the user-entered formula.

Up to 10 spectra and time-course curves can be measured and recalled in memory with data-handling of arithmetic calculation, logarithmic calculation, reciprocal calculation, smooth, derivate (1st ~ 4th), Abs to/from %T conversion and peak pick.

Up to 24 standards can be entered and measured for the fit of calibration curve with order to 1st ~ 4th. Offered are the quantitation methods of single wavelength, two-wavelength, coefficient two-wavelength, three wavelength and 1st ~ 4th derivatives.

Kinetic measurement can monitor the changes of absorbance and transmittance against time course at 10 different wavelengths. This module allows flexibility in manipulation and data display.

With the Windows clipboard, the measured data and graphics can be copied to other applications software for reports. Also offered are filing functions, display functions, and others (such as auto file and repeat measure/scan etc.).

Technical Specifications

Wavelength range:	190 to 1100 nm.	Stability:	±0.005A/h (at 500nm)
Wavelength accuracy:	±0.5 nm.	Light Source:	2000hr. Tungsten, Halogen and Deuterium Lamp
Wavelength Repeatability:	≤0.2nm	Detector:	Optical Cells Photodiode
Spectral Bandwidth:	1.8 nm	Power:	AC220V/110V. ±10%, 50/60Hz±1Hz
Straylight:	0.3% T.(220nm, 340nm, NaI)	Software:	Labomed Inc. Software (Included). for Windows: 98, 2000 and XP
Transmittance Range:	0.0~200.0%T.	Computer Interface:	RS 232
Absorbance Range:	-0.301~4.000A.	Cell holder:	Automatic 8 cell holder.
Concentration Range:	0~9.999C.	Display:	LCD
Transmittance accuracy:	±0.5% T.	Keypad:	Soft key
Transmittance repeatability:	≤0.2% T	Printer:	External (Optional)
Baseline Flatness:	±0.005A		
Noise:	100%noise 0.3%T 0% noise 0.2%T		