Spectro UV-2650
UV-VIS Scanning Spectrophotometer

Model UV-2650

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:	<0.002A/h(at 500nm; after warming up)
Spectral Bandwidth:	2 nm	Noise:	+0.001A(at 500nm; after warming up)
Wavelength Accuracy:	±0.5 nm	Detector:	Silicon Photo-diode
Wavelength Reproducibility:	≤0.2nm	Display:	6 inches high light blue LCD
Photometric Accuracy	+0.5%T (0-100%T)	Flatness:	0.005A
	+0.002A (0-0.5A)	Minimum Sampling Interval:	0.1nm
	+0.004A (0.5A-1A)	Energy Range:	0.000-9.999
Photometric Reproducibility:	0.2%T	Power:	AC:220V/50Hz, 110V/60Hz,140W (Automatic)
Working Mode:	T,A(-0.3-3A), C,E	Dimensions:	530x410x210mm
Stray Light:	<0.1%T(Nal,220nm;NaNO2,340nm)	Weight:	18kg
Baseline Flatness:	+0.002A		