

## IV-2301 DOUBLE BEAM UV-VIS SPECTROPHOTOMETER

### PRODUCT FEATURES

- Double Beam Optics
- 7 Inches TFT Color Screen
- Auto Wavelength Setting at 0.1 nm interval
- On-screen Standard and Kinetic Curve Display
- Xenon Lamp for Extend Lifetime
- Application Software provides complete control of the instrument from a computer through the built-in USB Port.
- Basic, WL Scan, Multi-Wavelength, Kinetic, Quantitative, DNA/Protein modes

### ACCESSORIES

- Quartz Cuvettes - A set of 2
- Glass Cuvettes - A set of 4
- Instruction Manual
- Software Manual
- Software
- USB Data Cable for PC Connectivity
- Mains Lead
- Dust Cover

### XENON LAMP



### Technical specification

Function	Basic, Wavelength Scan, Multi Wavelength, Kinetics, Quantitative, DNA/Protein
Wavelength Range	190 - 1100 nm
Spectral Bandwidth	1 nm
Optical System	Double Beam, Grating 1200 lines/mm
Wavelength Accuracy\Repeatability	$\pm 0.1 \text{ nm} \setminus \pm 0.1 \text{ nm}$
Scanning Speed	HI, MED & LOW, MAX. 3600 nm/min
Photometric Accuracy\Range	Accuracy ( $\pm 0.3 \%T$ or $\pm 0.002 \text{ A/h @ } 1A$ ) \ Range( %T: 0 - 200% ,Abs: -0.4 to 4A, Conc: 0 - 9999 C)
Stray Light	$< 0.03\%T$ @ 220 nm & 360 nm
Stability	$\pm 0.001 \text{ A/h @ } 500\text{nm}$
Display	7 Inches TFT Colored Screen
Baseline Flatness	$\pm 0.001\text{A/h}$ (200 - 1000 nm)
Sample Compartment	2 cell holder 10 mm path-length.
Light Source	Xenon Lamp
Printer Interface	USB drive, USB host and RS 232
Detector	Imported Silicon photodiode
PC Connectivity	USB Port for PC connectivity and RS 232
Detector	Imported Silicon Photodiode