

## IV-291 SINGLE BEAM UV-VIS SPECTROPHOTOMETER

### PRODUCT FEATURES

- Covers 190 to 1100 nm
- 4 Position Cuvette Holder
- $\mu$ P Based Wavelength Selection
- 128x64 Graphical LCD
- Printer Interface
- USB Computer Interface

### 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

### PROFESSIONAL SOFTWARE



### Technical specification

Wavelength Range	190 - 1100 nm
Spectral Bandwidth	2 nm
Optical System	Single Beam, grating 1200 lines/mm
Wavelength Accuracy	$\pm 0.1$ nm
Wavelength Repeatability	0.1 nm
Wavelength Resolution	0.1 nm
Photometric Accuracy	$\pm 0.5\%$ T or 0.003 A@1A
Photometric Range	-0.3 to 3A, 0 - 200 %T, 0 - 9999 Conc.
Stray Light	< 0.3%T
Stability	$\pm 0.002$ A/h @500 nm
Display	128 x 64 Dots Large Graphical LCD
Keyboard	Soft Touch Membrane Keys
Photometric Mode	% Transmission, Absorbance and Concentration
Detector	Silicon Photodiode
Sample Compartment	Standard 4-Position 10mm path-length cuvette holder. (Accommodates up to 50 mm path-length cuvette with optional holder)
Light Source	Tungsten and Deuterium Lamps
Output	USB for PC Connectivity and Parallel Port for Dot Matrix Printer
PC Software	Basic PC Software provided for quantitative/kinetic analysis with Professional PC Software for additional wavelength scan and DNA/Protein Test