

IV-41 MICROPROCESSOR SPECTROPHOTOMETER

PRODUCT FEATURES

- Covers 320-1100 nm
- 4 Position Cuvette Holder
- μ P Based Wavelength Selection
- 128x64 Graphical LCD
- printer interface
- USB Computer Interface

ACCESSORIES

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

ADVANCE SCANNING BASED



Technical specification

Wavelength Range\ Accuracy\ Repeatability\Resolution	320 - 1100 nm\±0.5 nm\±0.3nm\0.1 nm
Spectral Bandwidth	2 nm
Optical System	Single Beam, grating 1200 lines/mm
Photometric Accuracy	± 0.3%T or 0.003 A@1A
Photometric Range	-0.3 to 3A, 0-200%T, 0-9999 conc.
Photometric Repeatability	±0.2%T
Stray Light	<0.3%T
Stability	±0.002A/h@500nm
Display	128 x 64 Dots Large Graphical LCD
Photometric Mode	% Transmission, Absorbance and Concentration
Keyboard	Soft Touch Membrane Keys
Sample Compartment	Standard 4-Position 10 mm path-length cuvette holder. (Accommodates upto 50 mm path-length, cuvette with optional holder)
Light Source	Tungsten Lamps
Detector	Silicon Photodiode
Output	USB for PC Connectivity and Parallel Port for Dot Matrex Printer
Pc Software	PC Software provided for quantitative/ kinetic analysis with Professional PC Software for additional wavelength scan and DNA/Protein Test.