

LT-41 MICROPROCESSOR SPECTROPHOTOMETER

ADVANCE SCANNING BASED

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



TECHNICAL SPECIFICATIONS

Wavelength Range	320 - 1100 nm
Spectral Bandwidth	2 nm
Optical System	Single Beam, grating 1200 lines/mm
Wavelength Accuracy	± 0.5 nm
Wavelength Repeatability	± 0.3 nm
Wavelength Resolution	0.1 nm
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	± 0.002 A/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.
Power	230 V ± 10 % AC, 50 Hz