

Microprocessor Spectrophotometer

2305



1 Year
Warranty

- Microprocessor Based
- 4 Digit Seven Segment Bright Red LED Display
- Easy to Use, Press one button for easy switching of %T, Abs., Conc. modes
- Auto Zero and Blank
- Printer Attachment Facility
- PC Connectivity through USB
- Large Sample Compartment, can accommodate 5-100 mm path length cuvettes with optional holders.

Microprocessor Spectrophotometer is a solid state microcontroller based instrument designed for quick and accurate spectrophotometric analysis of any concentration. It operates at a wavelength range of 325 nm to 1000 nm. The output is available on a 4 Digit seven segment bright red LED display in terms of %Transmission (%T), Absorbance (Abs.), Concentration (Conc.) and Kfactor. The instrument uses the latest microprocessor technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility.

This is the most economical, reliable, rugged and accurate instrument. The system has 4 soft touch membrane type keys for ease of operation. It has a 'Mode' key for easy switching of various operating modes. Facility for automatic setting of zero / blank is provided.

Provision has also been made for attachment of any dot matrix printer using centronics interface and PC connectivity through USB port.

System has a 4-Position rapid cuvette changer (Test Tube Holder) selector.





Microprocessor Spectrophotometer 2305

Technical Data

WAVELENGTH RANGE	325 - 1000 nm
SPECTRAL BANDWIDTH	4 nm
OPTICAL SYSTEM	Single Beam, Grating 1200 lines/mm
WAVELENGTH ACCURACY	± 2 nm
WAVELENGTH RESOLUTION	2 nm
PHOTOMETRIC ACCURACY	± 0.5 %T
PHOTOMETRIC REPEATABILITY	0.3 %T
PHOTOMETRIC RANGE	- 0.3 to 3.0A, 0 - 200 %T
STRAY LIGHT	< 0.3 %T
STABILITY	± 0.002A/h @500 nm
DISPLAY	4 Digit Seven Segment Bright Red LED Display
KEYBOARD	Soft Touch Membrane Type
PHOTOMETRIC MODE	%T, Absorbance, Concentration, KFactor
DETECTOR	Silicon Photodiode
SAMPLE COMPARTMENT	Standard 4-Position 10 mm path-length cuvette holder (Accommodates upto 100 mm path-length cuvette with optional holder)
LIGHT SOURCE	Tungsten Lamp
OUTPUT	USB Port for PC connectivity, Parallel Port for dot matrix printer
POWER	85 ~ 250V AC, 50~60 Hz
DIMENSIONS (L x B x H)	420 x 280 x 180 mm (Approx.)
WEIGHT	8 Kg. (Approx.)
ACCESSORIES	10 mm Glass Cuvettes - A Set of 4, Black Block, Mains Lead Instruction Manual, Dust Cover

Note: Specifications are subject to change due to continuous improvements

Product Range

Semi Auto Analyser, Double Beam UV/VIS Spectrophotometer, Single Beam UV/VIS Spectrophotometer, Flame Photometer, Haemoglobin Meter, Photo Colorimeter, pH Meter, Conductivity Meter, TDS Meter, DO Meter, Salinity Meter, Turbidity Meter, Nephelometer, Colony Counter, Karl Fischer Moisture Titrator, Fluorometer, Dissolution Test Apparatus, Disintegration Test Apparatus, Friability Apparatus, Melting Point Apparatus, Telethermometer, Temperature Indicator, Water & Soil Analysis Kit, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Student Microscope, Binocular Microscope, Medical Microscope, Co-Axial Microscope.

