

# Microprocessor Visible Spectrophotometer (Scanning)

**2306**



## FEATURES

- 128 x 64 Dot Graphical LCD
- On-Screen Standard Curve Display
- Stray light below 0.3 %T
- Store 200 groups of data and 200 standards curves at the same time
- PC Connectivity through USB Port
- Software Expands the function to Wavelength Scanning, Multiwavelength, Quantitative and Kinetic Modes (optional at extra cost.)
- Large Sample Compartment, can accommodate 5-100 mm path length cuvettes with optional holders.

**1** Year  
Warranty

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 320 nm to 1100 nm. The instrument uses the latest microprocessor technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility.

The instrument is equipped with 128 x 64 dots graphical LCD which makes the result easy to read. User can on-screen see the standard curve. The system has soft touch numeric keys with complete numeric key that provides a convenient interface for entering numeric values. The

Provision has also been made for attachment of any dot matrix printer using centronics interface and PC connectivity through USB port. The 'Basic' PC software is supplied with the instrument.

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



# Microprocessor Visible Spectrophotometer

## 2306

### Technical Data

WAVELENGTH RANGE	320 - 1000 nm
BANDWIDTH	4 nm
WAVELENGTH ACCURACY	± 1 nm
WAVELENGTH REPEATABILITY	0.3 nm
WAVELENGTH SETTING	Auto
PHOTOMETRIC ACCURACY	± 0.3 %T
PHOTOMETRIC REPEATABILITY	0.2 %T
PHOTOMETRIC RANGE	-0.3 - 3.0A, 0 - 200 %T, 0 - 9999C
STABILITY	± 0.002A/h @500 nm
BASELINE FLATNESS	± 0.002A/h
STRAY LIGHT	< 0.3 %T
DATA OUTPUT PORT	USB for PC Connectivity
PARALLEL PORT	Parallel Port for dot matrix printer
DISPLAY	128 x 64 Dots Large Graphical LCD
LAMPS	Tungsten Halogen Lamps
DETECTOR	Silicon Photodiode
POWER	230V ± 10% AC, 50 Hz
DIMENSIONS (L x B x H)	460 x 360 x 225 mm (Approx.)
WEIGHT	18 Kg. (Approx.)
ACCESSORIES	Glass Cuvettes - A Set of 4, 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.