

# Microprocessor UV-VIS Spectrophotometer

2371



1 Year  
Warranty

Microprocessor U-VIS 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 200 nm to 1000 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 large graphical lcd the makes the result easy to read. User can see the standard curve on-screen. The system has soft touch numeric keys for ease of operation

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

Large Sample Compartment, can accommodate 5-100 mm path-length cuvettes with optional holders. The instrument is supplied with a 4 position 10 mm cell changer.

The 'Basic' PC software for quantitative / kinetic mode is supplied with the instrument. The 'Professional' PC software is optional for extending the functionality to wavelength scanning and DNA/Protein analysis (at extra cost).



- Wavelength Range 200 - 1000 nm
- 128 x 64 Dot Graphical LCD
- Auto Wavelength Setting
- On-screen Standard Curve Display
- Tungsten/Deuterium Lamp can be turned ON/OFF Individually to Extend Lifetime
- Application Software provides complete control of the instrument from a computer through the built-in USB Port
- Pre-aligned design makes it convenient to change Lamps
- Large Sample Compartment, can accommodate 5-100 mm path length cuvettes with optional holders.



# UV-VIS Spectrophotometer 2371

## Technical Data

WAVELENGTH RANGE	200 - 1100 nm
SPECTRAL BANDWIDTH	2 nm
OPTICAL SYSTEM	Single Beam, grating 1200 lines/mm
WAVELENGTH ACCURACY	± 0.5 nm
WAVELENGTH REPEATABILITY	0.4 nm
WAVELENGTH RESOLUTION	0.1 nm
PHOTOMETRIC ACCURACY	± 0.5 %T or 0.003A@1A
PHOTOMETRIC RANGE	- 0.3 to 3A, 0 - 200 %T, 0 - 9999 Conc.
STRAY LIGHT	< 0.3 %T
STABILITY	± 0.002A/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 10 mm path length Cuvette holder. (Accommodates upto 100 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
POWER	230 V±10% AC, 50 Hz
DIMENSIONS (L x B x H)	480 x 370 x 180 mm (Approx.)
WEIGHT	14 Kg. (Approx.)

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.

