

Single Beam Scanning UV-VIS Spectrophotometer

2373



1 Year
Warranty

Microprocessor UV-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 190 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 large graphical LCD which makes the result easy to read. User can see the standard curve on-screen. The system has soft touch numeric keys with complete numeric key that provides a convenient interface for entering numeric values.

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 10mm 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).

- Scanning Spectrophotometer
- Wavelength Range 190 -1100 nm
- 128 x 64 Dot Graphical LCD
- Auto Wavelength Setting
- On-screen Standard and Kinetic Curve Display
- Application Software provides complete control of the instrument from a computer through the built-in USB Port.
- Basic, WL Scan, Multi-Wavelength, Kinetic, Quantitative, DNA/Protein with professional PC software (optional)
- Pre-aligned design makes it convenient to change Lamps
- Large Sample Compartment, can accommodate 5-100 mm path length cuvettes with optional holders.
- Complete Numeric Keypad for ease of Operation



Single Beam Scanning UV-VIS Spectrophotometer 2373

Technical Data

WAVELENGTH RANGE	190 - 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 ± 0.003A@1A
PHOTOMETRIC RANGE	- 0.3 to 3A, 0 - 200 %T, 0 - 9999 Conc
STRAY LIGHT	0.05 %T @ 220 nm, 340 nm
STABILITY	± 0.002A/h @500 nm
DISPLAY	128 x 64 Dots Graphical LCD
KEYBOARD	22 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
PC SOFTWARE	Basic PC Software provided for quantitative / kinetic analysis. Professional PC Software (Optional) for additional wavelength scan and DNA/Protein Test, available at extra cost.
POWER	230 V±10% AC, 50 Hz
DIMENSIONS (L x B x H)	470 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.