

Product Name :
Microprocessor Spectrophotometer**Product Code :**
ELABANALYTICAL0003**Description :**

Microprocessor Spectrophotometer

Technical Specification :

128 x 64 Dot Graphical LCD
On-Screen Standard Curve Display
Stray light below 0.3 %T
Store 200 groups of data and 200 standard 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.

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 the 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.

Wavelength Range: 320 - 1100 nm

Spectral 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 - 200 %T, - 0.3 to 3A, 0 - 9999 Conc.

Stability: ± 0.002 A/h @ 500 nm

Baseline Flatness: ± 0.002 A/h

Stray Light: Display: 128 x 64 Dots Graphical LCD

Detector: Silicon Photodiode

Output: USB Port for PC Connectivity, Parallel Port for Dot Matrix Printer

Light Source: Tungsten Halogen Lamp

Power: 230V $\pm 10\%$ AC, 50 Hz

Dimensions(L x B x H): Instrument: 450 x 320 x 195 mm (Approx.)Box: 550 x 430 x 300 mm (Approx.)

Weight: Instrument: 11 Kg (Approx.)Box: 13.5 Kg (Approx.)

Accessories: Glass Cuvettes - A set of 4, Mains Lead, Operation Manual

 **LAB ENGINEERING**

Elab Engineering Equipments Manufacturers