Product Name :	Product Code :
Microprocessor UV-Vis Spectrophotometer LCD Display	ELABANALYTICAL0007

Description :

Microprocessor UV-Vis Spectrophotometer LCD Display

Technical Specification :

Range 190 To 1000 nm
4-Position Cuvette Holder
16 x 2 Line LCD Data Display
4 Digit Wavelength Display
Printer Interface
RS-232C Computer Interface

Microprocessor UV-VIS Spectrophotometer – 1371 is a single beam compact and easy to operate instrument for spectrophotometric analysis of a solution of any concentration.
The output is available on a 16 x 2 line alphanumeric backlit LCD display in terms of %Transmission (%T), Absorbance(Abs.), Concentration (Conc.) and KFactor.
This instrument has 100 sample storage memory, printer output for printing data with any dot matrix printer.
RS-232C interface for computer can be provided on request.
The use of microcontroller had made it an extremely versatile and state-of- the-art instrument.
Facility for using 10 mm path length cuvette is provided.

The instrument operates at wavelength between 190 to 1000 nm.
Diffraction grating of 1200 lines/mm in the monochromator produces a linear spectrum.
An automatic shutter is provided to stop the light, increases the life of photodiode tremendously.
Deuterium lamp (D2) is used in the range 190 to 350 nm and Tungsten Halogen lamp (W) covers the range 350

to 1000 nm.

This is extremely useful in Chemistry labs, Mineral Water testing, Pharmaceutical labs, Universities, Hospitals, Research centers, Biotechnological, Drugs & Agricultural labs. This is extremely useful for quantitative analysis.

Range: 190 - 1000 nm
Bandwidth: 2 nm
Accuracy: ± 0.5 nm
Repeatability: ± 0.3 nm
Wavelength Readout: 4 Digit 7-Segment Red LED display,Resolution: 0.1 nm

PHOTOMETRIC
Rangev%T: 0 - 100 %, Abs: 0 - 1.999,Conc.: 0 - 1999, KFactor: 0 - 1999
Accuracyv± 0.005 Abs @ 1.0 Abs, ± 0.010 Abs @ 1.5 Abs
Readability: ± 1 Count
Data Readout: 16 x 2 line alphanumeric backlit LCD display
Keyboard: Soft Touch Membrane Keys
Data Storage: Upto 100 Samples (0 - 99)
Printer Interface: Printer Interface for any Centronics Dot Matrix Printer
Serial Interface: RS-232C interface (optional)
Stray Light: Less than 0.1% @ 320 nm
Light Sources: Deuterium Lamp (D2), Tungsten Halogen Lamp (W)
DetectorvWide range Silicon Photodiode
OpticsvComplete mirror optics with high resolution 1200 grooves/mm Grating, Czerny Turner mount
Sample Holder: 4-Position adjustable sample holder
Power: 230 V ± 10% AC, 50Hz
Accessories: Quartz cuvettes: A set of 2, Plastic Cuvettes: A set of 4,Mains Lead, Operation Manual and Dust Cover

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