



DIGITAL UV-VIS Spectrophotometer

For Reliable & Highly Accurate Determination of Absorbance, Transmission & Concentration of Liquids

- Range 190 to 1000 nm
- μ P based wave length selection
- 4 digit LED display for wavelength
- 3½ Digit Display of %T, Abs. & Conc.
- Highly accurate & stable
- 4 Position sample holder



Digital UV-VIS Spectrophotometer is a single beam, accurate, reliable and versatile instrument for spectrophotometric analysis of any concentration. The %T, and Concentration measurements are made on a 3½ digit LED display.

An accurate 190 to 1000 nm wavelength control, with a resolution of 0.1 nm is obtained by Microprocessor controlled stepper motor. The wave length is displayed on a 4 digit LED display separately. A monochromator using Czerny-Turner mounting technique with 1200 lines/mm grating is used.

It is an extremely useful instrument for chemical, pharmaceutical, agricultural, biotechnological labs, hospitals, engineering & medical colleges, universities & research institutions.

SPECIFICATIONS

S P E C T R A L

Range : pH : 190 to 1000

Accuracy : ± 0.5 nm

Read-Out : 4 digit 7 segment red LED display of wavelength

Spectral Bandwidth : 2 nm

Repeatability : ± 0.3 nm

P H O T O M E T R I C

Photometric Range : % T : 0 to 100%

Abs. : 0 to 1.999

Conc. : 0 to 1999

Repeatability : ± 0.002 Abs at 1.0 Abs

Stray Light : Less than 0.1% at 320 nm

Accuracy : ± 0.005 Abs at 1.0 Abs / ± 0.010 Abs at 1.5 Abs

Readability : ± 1 count

Data Readout : 3½ digit 7 segment red LED display of results

Weight : 25 kg (Approx.)

Detector : Wide range silicon photo diode

Sample Holder : 4 Position sample holder

Dimensions : 550 × 405 × 130 mm (LXBXH) (Approx.)

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

Light Sources : (a) Tungsten - Halogen Lamp (b) Deuterium Lamp

Optics : Complete Mirror optics with High Resolution 1200 grooves/mm grating, Crearny-Turner mount

Accessories : *Quartz Cuvettes of 10mm path length (Set of 2) *Operation Manual *Dust Cover

Product Range : Semi Auto Analyser, Microprocessor pH System, Spectrophotometer, Flame Photometer, Drug Infusion Pump, Water & Soil Analysis Kit, Digital Photo Colorimeter, Filter Photo Colorimeter, Digital pH Meter, Nephelo/Turbidity Meter, K.F. Titrimeter, Digital D.O. Meter, Digital Conductivity / TDS Meter, Temperature Indicator, Digital Telethermometer.

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