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Product Name : Digital UV-Vis Spectrophotometer

Product Code : ELABANALYTICAL0004



Description :

Digital UV-Vis Spectrophotometer

Technical Specification :

Range 190 To 1000 nm µP Based Wavelength Selection 4 Digit LED Display For Wavelength 3 ½ Digit LED Display For Data Highly Stable & Accurate 4 Position Sample Holder

Digital UV-VIS Spectrophotometer – 371 is a single beam, accurate, reliable and versatile instrument for spectrophotometric analysis of any concentration.

The output is available on a 3 ½ digit red seven segment LED display in terms of %Transmission (%T), Absorbance (Abs.), and Concentration (Conc).

An accurate 190.0 to 1000.0 nm wavelength control, with a resolution of 0.1 nm is obtained by microprocessor controlled stepper motor.

The wavelength is displayed on 4 digit red seven segment LED display separately. A monochromator using Czerny-Turner mounting technique with 1200 line/mm grating is used

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

Wavelength Range: 190 - 1000 nm Spectral Bandwidth: 2 nm Accuracy: ± 0.5 nm Repeatability: ± 0.3 nm Wavelength Readout: 4 Digit 7-Segment Red LED display for wavelength PHOTOMETRIC Photometric Range: %T: 0 - 100%, Abs: 0 - 1.999, Conc.: 0 - 1999 Accuracy: ± 0.005 Abs @ 1.0 Abs, ± 0.010 Abs @ 1.5 Abs Repeatability: ± 0.002 Abs @ 1.0 Abs

Stray Light: Less than 0.1% @ 320 nm Readability: \pm 1 Count Data Readout: 3 ½ Digit 7-Segment Red LED display for results Light Sources: Deuterium Lamp (D2), Tungsten Halogen Lamp (W) Detector: Wide range Silicon Photodiode Optics: Complete mirror optics with high resolution 1200 grooves/mm Grating, Czerny-Turner mount Sample Holder: 4-Position adjustable sample holder Power: 230 V \pm 10% AC, 50Hz Dimensions(L x B x H): 550 x 405 x 130 mm (Approx.) Accessories: Quartz Cuvettes: A set of 2, Polystyrene Cuvettes 10 mmpath-length: A set of 4, Opaque Cuvette, Mains Lead, Operation Manual and Dust Cover

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