

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: ± 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

 **LAB ENGINEERING**

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