

Product Code . JL-S-2165

Digital UV-VIS Spectrophotometer



Description

Digital UV-VIS Spectrophotometer

FEATURES

Range 190 To 1000 nm

µP Based Wavelength Selection

4 Digit LED Display For Wavelength

Digital UV-VIS Spectrophotometer Manufacturer India, Digital UV-VIS Spectrophotometer Exporters, Pharmaceutical Instruments Digital UV-VIS Spectrophotometer, Pharmaceutical Instruments Exporters India, Pharmaceutical Instruments Suppliers, Pharmaceutical Instruments Manufacturers

3 ½ Digit LED Display For Data

Highly Stable & Accurate

4 Position Sample Holder

Digital UV-VIS Spectrophotometer 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.

SPECIFICATIONS

SPECTRAL	
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 ± 10% AC, 50Hz
Dimensions (L x B x H)	550 x 405 x 130 mm (Approx.)
Weight	25 Kg (Approx.)
Accessories	Quartz Cuvettes: A set of 2, Polystyrene Cuvettes 10 mm path-length: A set of 4, Opaque Cuvette, Mains Lead, Operation Manual and Dust Cover

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