Digital

UV-VIS Digital
Spectrophotometer
Spectrophotometer

371

Features

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

1 Year Warranty

UV-VIS Digital Spectrophotometer Model 371 is a single beam, accurate, reliable and versatile instrument for spectrophotometric analysis of any concentration. The %T, Abs. and Concentration measurements are displayed on a $3^1/_2$ digit LED display.

An accurate 190.0 to 1000 nm wavelength control, with a resolution of 0.1 nm is obtained by Microprocessor controlled stepper motor. The wavelength 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..

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UV-VIS Digital Spectrophotometer

Technical Data

ACCESSORIES

Quartz Cuvettes (10mm pathlength)	: Set of 2
Operation Manual	: 1 No.
Dust Cover	: 1 No.
Opaque Cuvette	: 1 No.
Disposable Cuvettes	: 4 Nos.
Main Lead	: 1 No.

	SPECTRAL
RANGE	190 to 1000 nm
SPECTRAL BANDWIDTH	2 nm
ACCURACY	± 0.5 nm
REPEATABILITY	± 0.3 nm
READ-OUT	4 digit 7 segment red LED display of wavelength
	PHOTOMETRIC
PHOTOMETRIC RANGE	% T : 0 to 100% Abs. : 0 to 1.999 Conc. : 0 to 1999
ACCURACY	± 0.005 Abs at 1.0 Abs ± 0.010 Abs at 1.5 Abs
REPEATABILITY	± 0.002 Abs at 1.0 Abs
STRAY LIGHT	Less than 0.1% at 320 nm
READABILITY	± 1 count
DATA READOUT	$3\frac{1}{2}$ digit 7 segment red LED display of results
LIGHT SOURCES	(a) Tungsten - Halogen Lamp (b) Deuterium Lamp
DETECTOR	Wide range silicon photodiode
OPTICS	Complete Mirror optics with High Resolution 1200 grooves/mm grating Czerny-Turner mount
SAMPLE HOLDER	4 Position sample holder
POWER	230V ± 10% 50Hz, AC
DIMENSIONS	550 X 405 X 130 mm (LXBXH) (Approx.)
WEIGHT	22 Kg (Approx.)

Product Range

Semi Auto Analyser, Single Beam and double Beam UV/VIS Spectrophotometer, Flame Photometers, Haemoglobin Meter, Digital pH, Meter, Digital Photo Fluorometer, Digital Conductivity Meter, Digital Photo Colorimeter, Turbidity Meter, Auto KF Titrimeter, Digital DO Meter, Digital Conductivity Meter, Digital TDS Meter, Temperature Indicator, Digital Telethermometer, Water & Soil Analysis Kit, Digital Salinity Meter, Digital Colony Counter, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Digital Tablet Disintegration Apparatus, Digital Friability Test Apparatus Tablet Dissolution Test Apparatus, Melting Point Apparatus, Student Microscope, Binocular microscope, Medical Microscope, Co-Axial Microscope.

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