

Digital Spectrophotometer

301 & 302

Features

- Range 340 to 960 nm
- 3½ Digital Display
- Highly Stable & Accurate
- 10 mm path length
- Direct Concentration Facility
- 3 Position Sample Holder (302)



1 Year
Warranty

They are most economical, reliable, rugged and accurate instrument for spectrophotometric analysis of any concentration. They operate at a wavelength range of 340 nm to 960 nm. The output is available on a 3½ digit LED display in terms of Optical Density, Percentage Transmission and Concentration. Model 302 has 3 position rapid change cuvette (Test Tube Holder) selector. The cuvette holder can have 2 cuvettes for blank and sample or standard solution.

Spectrophotometer

Technical Data

MODEL	301	302
RANGE	340 to 960 nm	340 to 960 nm
RESOLUTION	0.1% T, Abs : 0.001, Conc. : 1	0.1% T, Abs : 0.001, Conc. : 1
OUTPUT	% T: 0 to 100%, Abs : 0 to 1.999, Conc. : 0 to 1999	% T: 0 to 100%, Abs : 0 to 1.999, Conc. : 0 to 1999
DETECTOR	Silicon Photodiode	Silicon Photodiode
LIGHT SOURCE	6 V, 10 W, Tungsten Halogen Lamp	6 V, 10 W, Tungsten Halogen Lamp
MONOCHROMATOR	600 lines/ mm holographic grating	600 lines/ mm holographic grating
SAMPLE HOLDER	10 mm Test Tube	10 mm Test Tube & 3 position rapid change Test Tube Holder
SPECTRAL BANDWIDTH	10 nm	10 nm
WAVELENGTH RESOLUTION	5 nm	5 nm
WAVELENGTH ACCURACY	± 2.5 nm	± 2.5 nm
REPEATABILITY	± 2 nm	± 2 nm
RECORDER OUTPUT	Available	Available
DISPLAY	3½ Digit Bright Red LED Display	
OPERATING TEMP. RANGE	5° to 45°C	
POWER	230 V±10% AC, 50 Hz	
DIMENSIONS (LxBxH)	475 x 285 x 130 mm (Approx.)	
WEIGHT	8.5 Kg. (Approx.)	
ACCESSORIES	Matched Cuvettes : 1 Set Dust Cover : 1 No. Operation Manual : 1 No.	

Product Range

Semi Auto Analyser, Digital UV/VIS Spectrophotometer, Digital pH Meter, 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.

Other Spectrophotometers available : Digital Spectrophotometer Model 301, 302, 304 & 305, Microprocessor Spectrophotometer