

Digital UV-VIS Spectrophotometer

ZI 14035



Digital UV-VIS Spectrophotometer : ZI 14035

It 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 3½ digit LED display. An accurate 190.0 to 1000nm wavelength control, with a resolution of 0.1nm 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.

FEATURES :

Range 190 to 1000 nm

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

SPECIFICATIONS

	Spectral
Range	190-1100 nm
Bandwidth	2 nm
Accuracy	± 0.5 nm
Repeatability	± 0.3 nm
Read-Out	4 digit 7segment red LED display of wavelength

Photometric Range	Photometric Range
Accuracy	%T : 0 to 100%, Abs. : 0 to 1.999, Conc.: 0 to 1999
Repeatability	± 0.005 Abs at 1.0 Abs, ± 0.010 Abs at 1.5 Abs, ± 0.002 Abs at 1.0 abs
Stray Light	Less than 0.1% at 320 nm
Readability	± 1 count
Data Readout	3½ 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 $\pm 10\%$ 50 Hz, AC
Dimensions	(LxBxH) (550x405x130)mm (approx.)
Weight	22 kg (approx.)

ZEAL INTERNATIONAL

1, Netaji Subhash Marg, Darya Ganj, New Delhi-110 002 INDIA
 Ph.:+91-11-23276114, 23244474, 23277528, 23278846, Fax :+91-11-23273214, 43580558
 E-mail : sales@zealinternational.com ,website : zealinternational.com