



ICON INSTRUMENTS COMPANY

MICROPROCESSOR UV-VIS SPECTROPHOTOMETER SINGLE BEAM

Applications :

UV- visible spectrophotometer. an analytical instrument commonly used in physico-chemical laboratories to make quantitative and qualitative analysis of specimen materials in the ultraviolet. Visible spectral range finds much scope for its service in such fields as medicine. Clinical examination. biochemistry. petro-chemical industry. Bio technology, Environmental protection and quality control. The technique has enjoyed a molecular biology and the need to quantify DNA and proteins. Here, the simplicity of use, the non-destructive nature of the sampling and the cost effectiveness of the measurement has proved very beneficial in the modern laboratory.

SALIENT FEATURES

- Covers 195 to 1000nm
- 4 position cuvettes holder
- Rs-232C computer interface
- High wavelength precision
- Compact & good looking shape
- Highly accurate & stable
- ABS for the accurate measurement of the value and C
- Figures show measured value four LCD
- Imported material deuterium lamp, tungsten lamp
- Sample chamber can be placed 5 mm- 100mm samples
- A key value of automatic calibration ABS
- Rs 232, can be connected to the computer and printer

Technical Parameters :

photometric range	0-200%T, -0-301-2.000A, 0-1999C
accuracy	± 0.005 Abs at 1.0 Abs ± 0.010 Abs at 1.5 Abs < 0.3%T@
stray light	220 nm.360nm
data output	Rs-232
readability	± 1 Count
data readout	Single Line LCD display
key board	4 keys, Soft touch membrane type
printer interface	Printer interface for any centronics dot matrix printer
serial interface	Rs 232C interface
Light Source	Philip halogen. deuterium lamp (2000h)
Detector	Wide range Silicon Photodiode
Optics	Complete mirror optics with resolution 1200 grooves@mm grating.
Sample Holder	4 position adjustable sample holder
Absorbance Measurement Range	0.000A - 1.999A
Concentration Direct-reading Range	0000-1999
K Factor	0 to 1999
Transmittance Accuracy	< 0-5%3min
Transmittance Reproducibility	0.5%
Transmittance Measurement Range	0.0%-199.9%
Noise	100% < 0.3%T: 0% < 0.1%
Stability	< 0.002A/h@500nm
Power	230V ± 10%, 50 Hz . AC
Dimensions	540(L) X 470 (W) X 320 (H)
Weight	11kg

IIC-409



SPECTRAL

WAVELENGTH	: 195 to 1000nm
SPECTRAL BAND WIDTH	: .2 nm
ACCURACY	: ± 0-5 nm
REPEATABILITY	: ± 0-3 nm
RESOLUTION	: 0.1 nm

STANDARD PACKING

Main set	: 1 No.
Rs 232 cable	: 1 No.
Accessory Kit, including a 4 glass cell (1cm)	: 1 No.
Quartz Cell (1cm)	: 4 No.
Operating manual	: 1 No.
Dust Cover	: 1 No.
Software CD	: 1 No.

Works : Z-67, Okhla Industrial Area, Phase-II, New Delhi - 110020

Phone : +91-11-26383676 • E-mail : iconinstruments.india@gmail.com, sales@iconinstruments.co.in

Website: www.iconinstruments.co.in