

Visible Spectrophotometer LVS-A10



VISIBLE SPECTROPHOTOMETER LVS-A10

Visible spectrophotometer LVS-A10 offers 330 to 1000 nm wavelength range with single beam has 1200 lines/mm grating C-T monochromator optical system. It uses silicon photo diode detector and tungsten lamp as light source which provides the best wavelength coverage across the working range of the spectrophotometer. The Display screen show the concentration data. This highly accurate spectrophotometer is designed for industries and laboratories.

Features

- ◆ Wavelength range 330 to 1000 nm
- ◆ Spectral bandwidth 5 nm
- ◆ C-T grating monochromator 1200 lines/ mm
- ◆ 20 W, 12 V Tungsten lamp as light source
- ◆ 100 % Transmittance calibration
- ◆ High accuracy with digital wavelength display

Applications

Visible spectrophotometer is used for quantitative and qualitative analysis, detection of impurities and functional groups determination etc. across biochemical, environmental, food, medical, petrochemical and other industry.

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Specifications

Model no.	LVS-A10
Optical System	Single beam, C-T grating monochromator 1200 lines/ mm
Wavelength Range	330 to 1000 nm
Spectral Bandwidth	5 nm
Wavelength Accuracy	± 2 nm
Wavelength Repeatability	≤ 1.0 nm
Photometric Range	T: 0 to 199.9%, A: -0.3 to 2.5 Abs, F; 0 to 9999, C: 0 to 9999
Photometric Accuracy	± 0.5 % T
Photometric Repeatability	≤ 0.2 % T
Detector	Silicone photo diode
Light Source	20 W, 12 V Tungsten lamp
Stray Light	≤ 0.5 % T (360 nm)
Stability/Noise	Dark current: ≤ 0.2 % T, Light Current: ≤ 0.5 % T
Power Value	220 V \pm 20 V, 50 Hz \pm 1 Hz
Dimension	470 \times 350 \times 200 mm
Weight	8 kg