LABTRON

SINGLE BEAM UV-VIS SPECTROPHOTOMETER

LUS-C10

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Single Beam UV-Vis Spectrophotometer LUS-C10

Single Beam UV-Vis Spectrophotometer LUS-C10 is a compact, table top unit, comprising Silicon photodiode detector, Tungsten and Deuterium lamp as light source. Features 200 nm to 1000 nm wavelength range, 4.0 nm bandwidth with automatic setting of wavelength, direct input by K, B factor for quantitative measurement of standard curve. Designed with single chip microcomputer control, LCD screen to display multiple sets of data, large memory storage, it provides rich measurement methods with high performance and reliability.

Features :

- Compact, table top, single beam designed UV-Vis spectrophotometer
- Designed with silicon photodiode detector, tungsten and deuterium lamp as light source
- Wide wavelength range of 200 nm to 1000 nm with automatic setting
- LCD screen displays multiple sets of data
- Maximum 10 point standard curve measurement function
- Direct input by K, B factor for quantitative measurement of standard curve
- Large memory space to store multiple sets of data and curve
- Produce High performance and reliable results with user-friendly interface

Application :

Single Beam UV-Visible Spectrophotometer are used for analysis of band gap, optical coatings and thin films, quantitative analyses, kinetics, wavelength scanning, and DNA and Protein analysis across biological research, bio-industry, pharmaceutical analysis, pharmaceutical, teaching and research, environmental protection, food hygiene, clinical examination, health and epidemic prevention and other fields.

Specifications

Model	LUS-C10
Wavelength Range	200 to 1000 nm
Spectral Bandwidth	4.0 nm
Optical System	Single beam
Wavelength Accuracy	±0.2 nm

Wavelength Repeatability	0.2 nm
Wavelength Resolution	0.1 nm
Photometric Display Range	-4 to 4 A
Photometric Mode	T, A, C, E
Photometric Accuracy	±0.2% τ
Photometric Repeatability	0.2% τ
Light Source	Tungsten lamp, Deuterium lamp
Stray Light	≤0.05% τ (220 nm NaI, 340 nm NaNO2)
Stability	0.001 A/h @500 nm
Noise	± 0.002 A @500 nm
Display	LCD display (128*64 dots)
Baseline Flatness	± 0.001 A
Detector	Silicon photodiode
Power Supply	AC 220/110 V, 50/60 Hz
Dimensions (L×W×H)	460×330×210 mm
Net Weight	11 kg

Standard Accessories

- 1 cm quartz cuvette- 2 pcs
- 1 cm glass cuvette- 4 pcs
- Dust cover- 1 pc
- Power line- 1 pc
- Instructional Manual- 1 pc