



***DOUBLE BEAM UV-VIS SPECTROPHOTOMETER
LUS-B10 AND LUS-B13***

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Double Beam UV-Vis Spectrophotometer LUS-B10

Double Beam UV-Vis Spectrophotometer LUS-B10 is a compact, tabletop double beam designed UV-Vis spectrophotometer comprising Silicon photodiode detector, Tungsten and Deuterium lamp as light source. Equipped with wide wavelength range of 190 nm to 1100 nm, it offers 1.8 nm of bandwidth with automatic setting of wavelength. Designed with 6 inches LCD display, import source and receiver system, it provides rich measurement methods with high performance and reliability.

Double Beam UV-Vis Spectrophotometer LUS-B13

Double Beam UV-Vis Spectrophotometer LUS-B13 is a compact, tabletop double beam designed UV-Vis spectrophotometer comprising Silicon photodiode detector, Tungsten and Deuterium lamp as light source. Equipped with wide wavelength range of 190 nm to 1100 nm, it offers 1.0 nm of bandwidth with automatic setting of wavelength. Designed with 6 inches LCD display, import source and receiver system, it provides rich measurement methods with high performance and reliability.

FEATURES

- Compact, tabletop double beam designed UV-Vis spectrophotometer
- Silicon photodiode detector, Tungsten and Deuterium lamp as light source
- Wide wavelength range of 190 nm to 1100 nm with automatic setting
- 6 inches high brightness blue LCD display
- Import source and receiver system
- Measurement methods: wavelength scan, time scan , multi-wavelength determination , multi-order derivative determination, dual-wavelength , three-wavelength, DNA protein measurements etc.
- High performance and reliability with user-friendly interface

APPLICATIONS

Double 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.

SPECIFICATION

Model	LUS-B10	LUS-B13
Wavelength Range	190 to 1100 nm	
Spectral Bandwidth	1.8 nm	1.0 nm
Optical System	Double beam	
Wavelength Accuracy	±0.3 nm	
Wavelength Repeatability	≤0.1 nm	
Wavelength Resolution	0.1 nm	
Photometric Display Range	-4 to 4 A	
Photometric Mode	T, A, C, E	
Photometric Accuracy	±0.3% τ (0 to 100%τ) ± 0.002 A (0 to 0.5 A) ± 0.003 A (0.5 A to 1 A)	
Photometric Repeatability	0.15% τ (0 to 100% τ) ± 0.001 A (0 to 0.5 A) ± 0.0015 A (0.5 A to 1 A)	
Light Source	Tungsten lamp, Deuterium lamp	
Stray Light	≤0.03% τ (220 nm NaI, 340 nm NaNO ₂)	
Stability	0.0005 A/h @500 nm	
Noise	± 0.002 A @500 nm	
Display	6 inches high brightness Blue LCD display	
Baseline Flatness	± 0.001 A	
Detector	Silicon photodiode	
Power Supply	AC 220/110 V , 50/60 Hz	
Dimensions (L×W×H)	560×450×230 mm	
Net Weight	28 kg	