



# DOUBLE BEAM UV-VIS SPECTROPHOTOMETER LUS-B11

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Double Beam UV-Vis Spectrophotometer LUS-B11 is a compact, tabletop, wide screen double beam spectrophotometer comprising double beam long light path design, offers 190 to 1100 nm of wavelength range with 1200 L/mm grating. Features automatic calibration of all baseline, wavelength, and dark current, it has rigid 16 mm dicast aluminium base as optical mount. Equipped with 6 inches LCD display, standard software and USB interface, this spectrometer provides direct operation to multi functions and display the test results curve and data. With unique 520 mm long light path, it ensures great resolution with stability and reliability.

## FEATURES

- Wide screen double beam spectrophotometer
- Unique double beam 520 mm long light path design
- 190 to 1100 nm of wavelength range with 1200 L/mm grating
- Automatic calibration of all baseline, wavelength, and dark current
- Rigid 16 mm dicast aluminium base as optical mount
- 6 inches LCD display, standard software and USB interface
- Direct operation to multi functions: spectrum scanning, standard curve, kinetics, multi wavelength scanning  
DNA/Protein testing
- Tungsten and deuterium lamp as light source
- Great resolution with stability and reliability

## 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 clinical and research laboratories.

## SPECIFICATION

<b>Model</b>	<b>LUS-B11</b>
Wavelength range	190 to 1100 nm
Spectral bandwidth	1.8 nm
Optical system	Double beam; 1200 lines/mm grating
Wavelength accuracy	±0.1nm (D2 656.1nm), ±0.3nm @ all
Wavelength repeatability	0.2 nm
Photometric range	-0.3 to 3 A; 0 to 200% T; 0 to 9999 C
Photometric accuracy	±0.2% T (0 to 100% T)
Photometric repeatability	≤0.1% T (0 to 100% T)
Noise	± 0.0005 A/h
Light source	Tungsten lamp, Deuterium lamp
Stray light	≤0.03% T @ 220 nm,360 nm
Stability	± 0.001 A/h @ 500nm
Display	320×240 Dots (6 inches) LCD display
Baseline Flatness	±0.001A/h
Detector	Silicon photodiode
Function	Spectrum scanning, Standard curve, Kinetics, Multi wavelength scanning, DNA/Protein testing
Interface	USB
Printer	Parallel port
PC software	Yes
Power supply	AC 220 V/110 V, 50/60 HZ
Dimensions (W×D×H)	625×430×206 mm
Weight	30 kg