



**DOUBLE BEAM UV/VIS
SPECTROPHOTOMETER
LD-LUS-B42**

Double beam UV-Vis spectrophotometer LD-LUS-B42

Double beam UV-Vis spectrophotometer LD-LUS-B42 is a double beam spectrophotometer with 190 to 1100 nm wavelength range, Deuterium Lamp (UV light) and Tungsten lamp (visible light) as a light source. Designed with black panel adjacent to LCD screen contains various operational keys. Advanced ARM system and long optical system ensures precision measurements and good stability.

Features

- 7-inch Digital LCD display
- 190 to 1100 nm Wide Wavelength range
- Built-in memory storage up to 5000 tests data or 500 working curves
- Fixed 2 position cuvette holder, one for sample other for reference
- 21 CFR part 11 compliant software
- Performs photometric, quantitative, kinetic, spectrum scan, multi-wavelength measurements
- Switches lamps without optics debugging, for easy replacement
- USB port for data transfer to PC and other devices for further analysis, processing
- Available with optional Auto 8 Cell holder

Applications

Used in biochemistry, biotechnology, microbiology, chemistry, pharmacy, water testing, environmental and food science industries for Quality & Research analysis.

Specifications

Model No.	LD-LUS-B42
Wavelength range	190 to 1100 nm
Spectral bandwidth	0.5/ 1/ 2/ 4/ 5 nm
Wavelength setting	Automatic
Wavelength accuracy	± 0.3 nm
Wavelength repeatability	≤ 0.1 nm
Photometric range	0 to 200 % T, 3 to 3 A
Photometric mode	T, A, C, E
Photometric accuracy	± 0.3 % T (0 to 100% T)

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Photometric repeatability	$\pm 0.1 \% T$ (0 to 100% T)
Scanning speed	Fast, mid, slow
Display	7-inch color LCD display
Detector	Imported silicon photodiode
Baseline flatness	$\pm 0.0010 A$
Stability	$\pm 0.0003 A/ h @ 500 \text{ nm}$
Stray light	$\leq 0.03 \% T$
Light Source	Imported deuterium and tungsten lamp
Optical system	Double beam, grating 1200 lines/ mm
Data output	USB/ RS 232
Net weight	20 kg
Gross weight	26 kg
Dimension	590 × 475 × 250 mm
Packaging dimension	770 × 630 × 340 mm
Power	AC 220 V/ 50 Hz Or AC 110 V/ 60 Hz