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# Double Beam UV/Vis Spectrophotometer

[www.labodam.com](http://www.labodam.com) // [info@labodam.com](mailto:info@labodam.com)

## DOUBLE BEAM UV/VIS SPECTROPHOTOMETER LUS-B16

Double beam UV/Vis spectrophotometer LUS-B16 is fully automated with improved and optimized optical path design to give highly accurate and reliable measurements. This double beam spectrophotometer offers four customized spectral bandwidth ranges from (4nm, 2nm, 1nm, 0.5nm) to meet the market needs. The wide range of measurement methods e.g. wavelength scanning, time scanning, microarray measurement meets the different range of applications

### Features

- Wide wavelength range of 190-1100nm
- 4 spectral bandwidth (4.0nm, 2.0nm, 1.0nm, 0.5nm)
- 6 inches large LCD screen to display measurement parameters & readings
- Improved and optimized optical design
- Automatic wavelength adjustment
- Wide range of measurement methods: wavelength scanning, time scanning, microarray measurement
- Adapted with PC software to measure more precise measurements
- Large scale integrated circuit design to improve the scalability and reliability of the system
- Measurement data can be output through the printer with USB interface
- Improved scalability and reliability of the system through LSI design

### Applications

Double beam UV/VIS spectrophotometer has applications in pharmaceutical analysis, biological research, chemistry, environmental science, food science, medicine & other fields.

## Specifications

Model No.	LUS-B16
Optical System	Double beam
Wavelength Range	190~1100 nm
Spectral Band Width	0.5 nm, 1 nm, 2 nm, 4 nm adjustable
Wavelength Accuracy	±0.3 nm
Wavelength Repeatability	≤0.1 nm
Photometric Accuracy	±0.3% τ (0-100%τ) ±0.002A(0~0.5A) ±0.003A(0.5A~1A)
Photometric Repeatability	0.15% τ (0-100%τ) ±0.001A(0~0.5A) ±0.0015A(0.5A~1A)
Stray Light	≤0.03% τ (220 nm NaI, 340 nm NaNO <sub>2</sub> )
Sability	0.0005A/h @500 nm
Noise	± 0.0002A@500 nm
Baseline Flatness	± 0.001A
Photometric Mode	T,A,C,E
Wavelength Setting	Automatic
Photometric Range	-4~4A
Display Mode	6 inches high brightness blue LCD
Detector	Import Silicon Photodiode
Light Source	Import Deuterium Lamp & Tungsten Halogen Lamp
Power Requirement	AC 220V/ 50 Hz 110V/ 60 Hz
Power	120 W
Dimensions(W*D*H)	560x460x230 mm
Weight	28kg