



# Double Beam **UV-Visible** **Spectrophotometer** **LUS-B15**

## DOUBLE BEAM UV-VISIBLE SPECTROPHOTOMETER LUS-B15

Double beam UV-Visible Spectrophotometer LUS-B15 is a high sensitive double beam spectrophotometer with a wavelength of 190 to 1100 nm for absorbance spectra of chemical and biochemical compounds. Equipped with a bandwidth of 2 nm for peak resolution, it works on detection of light intensity between reference and test sample. The highly stable optics and silicon photodiode detector measures the sample and reference simultaneously optimizing the measurement accuracy. Built-in ARM system for high accuracy and low stability.



### FEATURES

- LCD display for visual optimization and access to a range of functions
- Wavelength ( 190 to 1100 nm )
- Spectral Bandwidth ( 2 nm )
- Optical system - 1200 lines/mm gratings
- Silicon photo detector
- Automatic lamp switching
- Continuous testing and storage of 200 sets of data
- Quantitation using calibration curves
- Built-in ARM system for high accuracy and low stability.
- 8 joints cuvettes holder ( optional )
- Dual lamp system ( Xenon and Tungsten ) for higher accuracy
- Large sample chamber for accommodation for 5 to 100 mm capacity cuvettes
- Data export - can be connected to computer and printer



### APPLICATIONS

Used for quality control, general research, pharmaceutical, biochemical and clinical laboratory



## SPECIFICATIONS

Model No.	LUS-B15
Wavelength range	190 ~ 1100 nm
Spectral bandwidth	2 nm
Wavelength accuracy	0.5 nm
Wavelength repeatability	$\leq 0.2$ nm
Transmittance accuracy	$\leq 0.05$ % T
Transmittance repeatability	$\pm 0.5$ % T
Wavelength setting	$\leq 0.05$ % T
Display mode	Automatic
Light Source	320 x 240 mm LCD screen
Detector	Xenon and Deuterium lamp
Work mode	Silicon photo diode
Keyboard	Slow, mid, fast
Stray light	Printer or USB export
Data output	AC 220 / 50 Hz or AC 110 / 60 Hz
Power	590 x 460 x 220 mm
Weight	25 kg