



***DOUBLE BEAM UV/VIS  
SPECTROPHOTOMETER***

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***LUS-B3 SERIES***

# **DOUBLE BEAM UV/VIS SPECTROPHOTOMETER LUS-B3 SERIES**

## **Double Beam UV/Vis Spectrophotometer LUS-B30**

Double Beam UV/Vis Spectrophotometer LUS-B30 is bench top device with 190 nm to 1100 nm wavelength range, and offers spectral bandwidth of 2 nm. With T, A, C, E work mode it is designed with Hi, Med, Low (Max. 3000 nm/min) scanning speed range. The latest ARM system and long optical system ensure high accuracy and good stability of the instrument. The 10.1 inch TFT Touch colored display and it can perform powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA/Protein test, Multi-wavelength test etc. This advance, high quality spectrophotometer supports USB data transfer and storage system.

## **Double Beam UV/Vis Spectrophotometer LUS-B31**

Double Beam UV/Vis Spectrophotometer LUS-B31 is bench top device with 190 nm to 1100 nm wavelength range, and offers spectral bandwidth of 1 nm. With T, A, C, E work mode it is designed with Hi, Med, Low (Max. 3000 nm/min) scanning speed range. The latest ARM system and long optical system ensure high accuracy and good stability of the instrument. The 10.1 inch TFT Touch colored display and it can perform powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA/Protein test, Multi-wavelength test etc. This advance, high quality spectrophotometer supports USB data transfer and storage system.

## **Double Beam UV/Vis Spectrophotometer LUS-B32**

Double Beam UV/Vis Spectrophotometer LUS-B32 is bench top device with 190 nm to 1100 nm wavelength range, and offers spectral bandwidth of 0.5/1/2/4/5 nm. With T, A, C, E work mode it is designed with Hi, Med, Low (Max. 3000 nm/min) scanning speed range. The latest ARM system and long optical system ensure high accuracy and good stability of the instrument. The 10.1 inch TFT Touch colored display and it can perform powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA/Protein test, Multi-wavelength test etc. This advance, high quality spectrophotometer supports USB data transfer and storage system.

## **FEATURES**

- Work mode T, A, C, E and scanning speed range Hi, Med, Low (Max. 3000 nm/min)
- Designed with double beam 1200 lines/mm optical system
- In-house massive memory is capable of saving up to 1024 M for test data & working curves
- Designed with 10.1 inches high resolution TFT colored capacitive touch screen and windows Graphic interface
- Large sample chamber can accommodate 5 to 100 mm cuvettes of all kinds
- Equipped with powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA/Protein test, Multi-wavelength test, etc
- The USB port can be used for data transfer, which can easily exported to excel for further processing
- Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced

## APPLICATIONS

Double Beam UV/Vis Spectrophotometer is used in high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industries, etc.

## SPECIFICATION

Model	LUS-B30	LUS-B31	LUS-B32
Wavelength range	190 to 1100 nm		
Spectral bandwidth	2 nm	1 nm	0.5/1/2/4/5 nm
Wavelength Accuracy	± 0.1nm @ 656.1 nm, ± 0.3 nm @ all		
Wavelength Repeatability	≤ 0.1 nm		
Optical system	Double beam 1200 lines/mm		
Photometric Range	0 to 200 %T, -0.3 to 3A, 0 to 9999 C (0 to 9999F)		
Photometric Accuracy	0.2%T (0 to 100 %T), ±0.002A(0 to 0.5 A), ±0.004A (0.5 to 1 A)		
Photometric Repeatability	≤0.15 % T (0 to 100 %T), 0.001A (0 to 0.5A), 0.002A (0.5 to 1A)		
Detector	Imported silicon photodiode		
Light source	Imported Deuterium and Tungsten lamp		
Stray light	≤ 0.03 % T @ 220 nm, 360 nm		
Stability	± 0.0003 A/h @ 500 nm		
Data Output Port	USB drive, USB host, RS232		
Power supply	AC 220 V, 50 Hz or 110 V, 60 Hz		
Noise	0.0005 A @ 500 nm		
Display	10.1 inches TFT colored capacitive touch screen		
Baseline flatness	± 0.002 A	± 0.001 A	± 0.001 A
Printer port	Parallel port		
Work mode	T, A, C, E		
Scanning speed	Hi, Med, Low (Max. 3000 nm/min)		
Wavelength setting	Auto		
Cuvette holder	10 mm single hole cell holder		
Dimension	810 × 660 × 390 mm		880 × 690 × 520 mm
Gross weight	27 kg		45 kg

## STANDARD ACCESSORIES

Accessories no.	Name
1	10 mm glass cuvette × 4
2	10 mm quartz cuvette × 2
3	2, power cord
4	User manual
5	PC software