



Single Beam UV/Vis Spectrophotometer LD- LUS-A51

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Overview

Single Beam UV/Vis Spectrophotometer LUS-A51 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.

Features:

- Work mode T, A, C, E and scanning speed range Hi, Med, Low (Max. 3000 nm/min)
- 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:

Single 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.

Specifications:

1	10 mm glass cuvette × 4
2	10 mm quartz cuvette × 2
3	2, power cord
4	User manual
5	PC software
Noise	0.0005 A @ 500 nm
Display	10.1 inches TFT colored capacitive touch screen
Detector	Imported silicon photodiode
Dimension	810 × 660 × 390 mm

Stability	± 0.0005 A/h @ 500 nm
Work mode	T, A, C, E
Stray light	? 0.03 % T @ 220 nm, 360 nm
Gross weight	27 kg
Light source	Imported Deuterium and Tungsten lamp
Power supply	AC 220 V, 50 Hz or 110 V, 60 Hz
Printer port	Parallel port
Cuvette holder	10 mm manual 4 cell holder
Optical system	Single beam 1200 lines/mm
Scanning speed	Hi, Med, Low (Max. 3000 nm/min)
Data Output Port	USB drive, USB host, RS232
Wavelength range	190 to 1100 nm
Baseline flatness	± 0.001 A
Photometric Range	0 to 200 %T, -0.3 to 3A, 0 to 9999 C (0 to 9999F)
Spectral bandwidth	1 nm
Wavelength setting	Auto
Wavelength Accuracy	± 0.1nm @ 656.1 nm, ± 0.3 nm @ all
Photometric Accuracy	0.2%T (0 to 100 %T), ±0.002A(0 to 0.5 A), ±0.004A (0.5 to 1 A)
Wavelength Repeatability	? 0.1 nm
Photometric Repeatability	?0.15 % T (0 to 100 %T), 0.001A (0 to 0.5A), 0.002A (0.5 to 1A)