

XENON LAMP SPECTROPHOTPMETER

LD-LXLS-A1 SERIES



Xenon Lamp Spectrophotometer LD-LXLS-A1 Series

Xenon Lamp Spectrophotometer LD-LXLS-A1 Series consist of a high quality 150 W Xenon light source which offers a wave range of 190 nm to 1100 nm. Photoelectric multiplier tube detectors associated with it provides sufficient light intensity signal to detect sensitivity of a high resolution and this can be detected / adjusted using 7 inch TFT and 10.1 inch TFT colored capacitive touch screen. This device portrays different work mode; such as T, A, C, E which makes it more flexible to use.

Features:

- ✚ Work mode consist of T, A, C, E
- ✚ High quality flashing Xenon lamp can be directly used for testing without preheating and its shelf life is for 3 years
- ✚ Possess strong functions like photometric measurement, quantitative measurement, kinetics, spectrum scan, DNA/protein test, Multi-wavelength test
- ✚ Colossal in built memory is capable of saving up to 1024MB for test data and working curves
- ✚ Data transfer can be done via using USB port that easily helps in passing on the data to excel for further processing, analysis and storage
- ✚ Large sample chamber easily allows attachment of optional accessories
- ✚ Flexible enough to allow USB and SD card storage

Applications:

Designed to meet high requirement for précised measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industry, etc.

Xenon Lamp Spectrophotometer LD-LXLS-A1 Series

Specifications:

Model No.	LD-LXLS-A10	LD-LXLS-A11
Optical System	Double Beam, Grating 1200 lines/mm	
Wavelength Range	190 nm to 1100 nm	
Spectral Bandwidth	2 nm	1 nm
Wavelength Accuracy	± 0.1 nm @ 656.1 nm, ± 0.3 nm @ all	
Wavelength Repeatability	≤ 0.1 nm	
Photometric Accuracy	0.2 % T (0 to 100%T), ± 0.002 A (0-0.5A), ± 0.004A(0.5-1A)	
Photometric Repeatability	≤ 0.15 % T (0-100 % T), 0.001A (0-0.5A), 0.002A(0.5-1A)	
Photometric Range	0-200% T, -0.3 to 3A, 0-9999 C (0-9999 F)	
Stray Light	≤ 0.03 % T @ 22 nm, 360 nm	
Stability	± 0.0005 A/h @500 nm	
Baseline Flatness	± 0.002 A	± 0.001 A
Noise	0.0005 A @ 500 nm	
Work Mode	T, A, C, E	
Scanning Speed	High, Medium, Low (Max 3000 nm/ min)	
Wavelength Setting	Auto	
Display	7 inch TFT Colored Capacitive Touch Screen	
Light Source	Imported Xenon Lamp	
Detector	Imported Silicon Photodiode	
Cuvette Holder	10 mm single hole cell holder	
Output	USB Drive, USB host, RS232	

Xenon Lamp Spectrophotometer LD-LXLS-A1 Series

Power Supply	AC 220 V/ 500 Hz or AC 110 V / 60 Hz
Packaging Dimension	810 × 660 × 390 mm
Gross Weight	27 kg

Model No.	LD-LXLS-A12	LD-LXLS-A13
Optical System	Double Beam, Grating 1200 lines/mm	
Wavelength Range	190 nm to 1100 nm	
Spectral Bandwidth	2 nm	1 nm
Wavelength Accuracy	± 0.1 nm @ 656.1 nm, ± 0.3 nm @ all	
Wavelength Repeatability	≤ 0.1 nm	
Photometric Accuracy	0.2 % T (0 to 100%T), ± 0.002 A (0-0.5A), ± 0.004A(0.5-1A)	
Photometric Repeatability	≤ 0.15 % T (0-100 % T), 0.001A (0-0.5A), 0.002A(0.5-1A)	
Photometric Range	0-200% T, -0.3 to 3A, 0-9999 C (0-9999 F)	
Stray Light	≤ 0.03 % T @ 22 nm, 360 nm	
Stability	± 0.0003 A/h @500 nm	
Baseline Flatness	± 0.002 A	± 0.001 A
Noise	0.0005 A @ 500 nm	
Work Mode	T, A, C, E	
Scanning Speed	High, Medium, Low (Max 3000 nm/ min)	
Wavelength Setting	Auto	
Display	10.1 inch TFT Colored Capacitive Touch Screen	
Light Source	Imported Xenon Lamp	
Detector	Imported Silicon Photodiode	

Xenon Lamp Spectrophotometer LD-LXLS-A1 Series

Cuvette Holder	10 mm single hole cell holder
Output	USB Drive, USB host, RS232
Power Supply	AC 220 V/ 500 Hz or AC 110 V / 60 Hz
Packaging Dimension	810 × 660 × 390 mm
Gross Weight	27 kg

Model No.	LD-LXLS-A15
Optical System	Double Beam, Grating 1200 lines/mm
Wavelength Range	190 nm to 1100 nm
Spectral Bandwidth	0.5/1/2/4/5 nm
Wavelength Accuracy	± 0.1 nm @ 656.1 nm, ± 0.3 nm @ all
Wavelength Repeatability	≤ 0.1 nm
Photometric Accuracy	0.2 % T (0 to 100%T), ± 0.002 A (0-0.5A), ± 0.004A(0.5-1A)
Photometric Repeatability	≤ 0.15 % T (0-100 % T), 0.001A (0-0.5A), 0.002A(0.5-1A)
Photometric Range	0-200% T, -0.3 to 3A, 0-9999 C (0-9999 F)
Stray Light	≤ 0.03 % T @ 22 nm, 360 nm
Stability	± 0.0003 A/h @500 nm
Baseline Flatness	± 0.001 A
Noise	0.0005 A @ 500 nm
Work Mode	T, A, C, E
Scanning Speed	High, Medium, Low (Max 3000 nm/ min)
Wavelength Setting	Auto

Xenon Lamp Spectrophotometer LD-LXLS-A1 Series

Display	10.1 inch TFT Colored Capacitive Touch Screen
Light Source	Imported Xenon Lamp
Detector	Imported Silicon Photodiode
Cuvette Holder	10 mm single hole cell holder
Output	USB Drive, USB host, RS232
Power Supply	AC 220 V/ 500 Hz or AC 110 V / 60 Hz
Packaging Dimension	810 × 690 × 520 mm
Gross Weight	45 kg

Standard Accessories:

Sr. No.	Accessory	Quantity
1	10 mm glass cuvette	4
2	10 mm quartz cuvette	2
3	Power cord	
4	PC Software	

Optional Accessories:

Sr. No.	Accessory	Quantity
1	Peltier / Sipper system	1 pc per box
2	Reflection accessories	
3	21 CRF compliant software	1 pc per box

Xenon Lamp Spectrophotometer LD-LXLS-A1 Series

4	5 mm Glass Cuvettes	4 pcs per box
5	20 mm Glass Cuvettes	2 pcs per box
6	5 mm Quartz Cuvettes	2 pcs per box
7	20 mm Quartz Cuvettes	2 pcs per box
8	10 – 50 mm Manual 4-cell holder	1 pc per box
9	100 mm Manual 4-cell holder	1 pc per box
10	Auto 8-position cell holder	1 pc per box
11	Solid holder / Film holder	1 pc per box
12	Thermal Printer	1 pc per box