

# Double Beam UV Vis Spectrophotometer



Double beam UV-Vis spectrophotometer LX210DS, LX211DS, LX212DS comes with 190 to 1100 nm wavelength range. Deuterium Lamp (UV light) and Tungsten lamp (visible light) acts as a light source. Designed with black panel adjacent to LCD screen contains various operational keys. Advanced ARM system and long optical system ensures precision measurements and good stability.

### Features

- 7 inch Digital LCD display
- 190 to 1100 nm Wide Wavelength range
- Built-in memory storage up to 5000 tests data or 500 working curves
- Fixed 2 position cuvette holder, one for sample other for reference
- 21 CFR part 11 compliant software
- Performs photometric, quantitative, kinetic, spectrum scan, multi-wavelength measurements
- Switches lamps without optics debugging, for easy replacement
- USB port for data transfer to PC and other devices for further analysis, processing
- Available with optional Auto 8 Cell holder

### Applications

Used in biochemistry, biotechnology, microbiology, chemistry, pharmacy, water testing, environmental and food science industries for Quality & Research analysis.

## Specifications

Model no.	LX210DS	LX211DS	LX212DS
Optical system	Double beam, grating 1200 lines/ mm		
Wavelength range	190 to 1100 nm		
Spectral bandwidth	2 nm	1 nm	0.5/ 1/ 2/ 4/ 5 nm
Wavelength accuracy	± 0.3 nm		
Wavelength repeatability	≤ 0.1 nm		
Photometric accuracy	± 0.3 % T ( 0 to 100% T)		
Photometric repeatability	± 0.1 % T ( 0 to 100% T)		
Photometric range	0 to 200 % T, 3 to 3 A		
Stray light	≤ 0.03 % T		
Stability	± 0.0003 A/ h @ 500 nm		
Baseline flatness	± 0.0010 A		
Photometric mode	T, A, C, E		
Scanning speed	Fast, mid, slow		
Wavelength setting	Automatic		
Display	7 inch color LCD display		
Light source	Imported deuterium and tungsten lamp		
Detector	Imported silicon photodiode		
Output	USB/ RS 232		
Power	AC 220 V/ 50 Hz Or AC110 V/ 60 Hz		
Dimension	590 × 475 × 250 mm		
Packaging dimension	770 × 630 × 340 mm		
Net weight	20 kg		
Gross weight	26 kg		

**Standard accessories**

Accessories No.	Name	Qty.
1	Glass cuvette 10 mm	1 set of 4
2	Quartz cuvette 10 mm	1 set of 2
3	Power cable	1
4	PC software	1

**Optional accessories**

Accessories No.	Name
1	Glass cuvettes 5 to 100 mm
2	Quartz cuvettes 5 to 100 mm
3	Manual 4- cell holder (10 to 100 mm)
4	Auto 8- cell holder
5	Tungsten lamp
6	Deuterium lamp