

Touch Screen Double Beam Spectrophotometer



Touch Screen Double beam spectrophotometer LX810TS, LX811TS, LX812TS comes with 190 to 1100 nm wavelength range. Deuterium Lamp (UV light) and Tungsten lamp (visible light) acts as a light source. Designed with colored Touch LCD screen, easy to use finger touch operations. Advanced ARM system and long optical system ensures precision measurements and good stability.

Features

- 10.1 inch colored Touch LCD display
- 190 to 1100 nm Wide Wavelength range
- Built-in 1 GB memory storage for tests data and 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.

Touch Screen Double Beam Spectrophotometer LX810TS, LX811TS, LX812TS

Specifications

| Model no. | LX810TS | LX811TS | LX812TS |
|---------------------------|--------------------------------------|---------|--------------------|
| 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 | ± 0.0002 A | | ± 0.001 A |
| Work mode | T, A, C, E | | |
| Scanning speed | Fast, mid, slow | | |
| Wavelength setting | Automatic | | |
| Display | 10.1 inch color Touch LCD display | | |
| Light source | Imported deuterium and tungsten lamp | | |
| Detector | Imported silicon photodiode | | |
| Output | USB/ RS 232 | | |
| Ambient temperature | 10 to 35°C | | |
| Relative Humidity | ≤ 85% | | |
| 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 |