

# Visible Spectrophotometer LX100VS & LX101VS



## Visible Spectrophotometer LX100VS & LX101VS

---

Visible Spectrophotometer LX100VS and LX101VS are single beam spectrophotometers with wavelength repeatability of 1nm. The highly stable optics and silicon photodiode detector measures the sample and reference simultaneously optimizing the measurement accuracy. The simple design of the product makes model an ideal tool for everyday usage purpose.

## Features

---

- The wavelength can be set manually with the help of a dial on the front panel
- Display – LED display for direct readout of transmission or absorption
- By RS-232port, measured values can be transferred to PC for further analysis
- The source of light is provided by tungsten lamp
- Silicon photodiode as detector
- Optical system - Grating 1200 lines/mm

## Applications

---

Used widely in universities and colleges, food and beverage production and quality control, agricultural monitoring etc. medical testing, food, petrochemical industry, environmental protection and monitoring and other fields.

## Specification

<b>Model No.</b>	<b>LX100VS</b>	<b>LX101VS</b>
Wavelength Range	340-1020nm	330-1020nm
Spectral Bandwidth	6nm	5nm
Wavelength Accuracy	±3nm	±2nm
Wavelength Repeatability	1nm	1nm
Photometric Accuracy	±1%T	±0.5%T
Photometric Repeatability	0.5%T	0.2%T
Photometric Range	0-200%T, -0.3-3A	0-200%T, -0.3-3A
Stray Light	0.5%T	0.3%T
Stability	0.004A	0.002A
Baseline Flatness	±0.002A	±0.002A
Noise	±0.001A	±0.001A
Work Mode	T, A, C	T, A, C
Power supply	AC 220V/50Hz or AC 110V/60Hz	AC 220V/50Hz or AC 110V/60Hz
Dimensions	520 x 450 x 320mm	520 x 450 x 320mm
Weight	10kg	10kg