

**LMV1100T**

CATALOGUE 2024-25



## Touchscreen Single Beam UV- Vis.Spectrophotometer

**LUV1100T**

### SALIENT FEATURES

- ✦ Full wavelength scanning (190-1100nm) covers UV, Vis., near IR
- ✦ Fully sealed structure, all optical mirrors are equipped with SiO<sub>2</sub> protective film to avoid stray light caused by dust and corrosive gas.
- ✦ Core components reduce the stray light and improve the stability and reliability.
- ✦ Single Beam optical system with precision vertical-type dual optical path and dual detector.
- ✦ Grating of high performance greatly reduces the stray light and improves the stability and reliability of device.
- ✦ 10 inches large touch screen, built-in 32GB memory.
- ✦ Powerful data analysis system with internal computer could realize multi functions independently. Like establishing calibration curve, photometric measurement, quantitative measurement, spectral scanning, dynamics, DNA/Protein test, multi-wavelength analysis and data printing.
- ✦ W Lamp / D2 Lamp can monitor of usage hours.
- ✦ Data can export in Pendrive directly
- ✦ Convenient data storage and printing function. LUV Series can be directly connected to the printer HP DESKJET 2723 for A4 paper data and graph printing.
- ✦ Automatic power ON self test and system positioning function could inspect and calibrate the deviation before every use.
- ✦ All test data and analysis report can be exported to USB disk directly.
- ✦ Graphs support 3D display,
- ✦ PC software follows GLP & GMP standards, user management, logging, data tracking, etc. mostly as per 21CFR Part 11.



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**Touchscreen****Single Beam UV- Vis.Spectrophotometer**

HSN Code : 90273020

<b>MODEL</b>	<b>LUV1100T</b>
Bandwidth	2.0nm
Make	LABMAN
Optical System	Single beam
Wavelength Range	190-1100nm
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	±0.2nm
Photometric Range	0-200%T, -0.3-3.0A, 0-9999C
Photometric Accuracy	±0.2T(0-100%T), ±0.002Abs(0-0.5Abs),±0.004Abs(0.5-1.0Abs )
Photometric Repeatability	≤0.1%T(0-100%T), 0.001Abs(0-0.5Abs), 0.002Abs(0.5-1.0Abs)
Stability	±0.001A/h @ 500nm
Stray Light	0.05%T @ 220 nm, 360 nm
Cell Holder	10mm each, Sample & Reference Cuvette Holder
Focal Length	10mm
Light Source	Tungsten Lamp & Deuterium lamp
Resolution	0.1nm
Display	Touchscreen 10-inches (800 x 480) HD TFT
Memory	32GB
Detector	Silicon Photodiode
Control Mode	Stand-alone system/PC software
Baseline flatness	±0.001A/h
Data Output	USB
Power Supply	AC 220V,50/60Hz
Dimension (L x W x H)	630 x 430 x 210mm
Weight	20kg

★ Specifications are subject to change without notice.

**STANDARD ACCESSORIES** : Main Instrument, Power Cable, Quartz Cuvette, Glass Cuvette, Software Pen Drive, Dongle, Dust Cover, USB Cable, Test Certificate