

LABWAN UV/VIS SPECTROPHOTOMETER SINGLE BEAM

▶ Product Description

The LUV-300 UV/VIS Spectrophotometer is a reliable single-beam instrument with a 190–1100 nm wavelength range, 2 nm bandwidth, auto wavelength setting, imported Deuterium & Tungsten Halogen lamps, and silicone photodiode detector. It supports photometric, quantitative, spectral scanning, kinetics, DNA/Protein and multi-wavelength analysis, making it suitable for pharmaceutical, chemical, petroleum, food, sugar, refining, research, college, university and scientific laboratory applications.

▶ Application/Uses

- Medical/Pharmaceutical
- Industry Environmental Monitoring
- Commodity Inspection
- Food Inspection
- Agricultural Chemistry
- Teaching in Colleges & Universities
- Metallurgy
- Geology
- Machine Manufacturing
- Petrochemical Industries
- Water and Waste Water Labs
- Food and Beverage Labs

▶ Accessories

- Software
- 10 mm Glass Cuvette
- 10 mm Quartz Cuvette
- Instruction Manual
- Power Cord



Key Panel



Multi-line LCD Display

► Functions

- Imported Lamps: Uses highest quality of imported Deuterium lamp, Tungsten lamp & sensors.
- Low Stray Light: LUV-300 is made of high quality components and has perfect design which ensures low stray light.
- Stability & Durability: LUV-300 uses die-cast aluminium base which ensures instrument's stability & durability.
- Multiple Results: LUV-300 can display wavelength, absorption & transmittance. It has a memory of 200 results & 100 standard curves.
- Standard Curve: LUV-300 can set up various standard curves according to customer's solution and find the concentration of unknown solutions.
- Auto Setting: User can set wavelength automatically through arrow keys.
- Data Output: LUV-300 is equipped with USB port to connect to computer software.
- Wide Functionality: Software enables Photometric analysis, Quantitative analysis, Spectral scanning, Kinetics, DNA/protein analysis, Multi-wavelength test, etc. The software is optional.

PARAMETER	SPECIFICATION
Product Name	UV/VIS Spectrophotometer
Model	LUV-300
Make	LABWAN
Bandwidth	2 nm
Cell Holder	10mm manual 4-cell holder
Optical System	Single Beam (1200 lines/mm Grating)
Wavelength Range	190 ~ 1100 nm
Wavelength Accuracy	± 0.3 nm
Wavelength Repeatability	± 0.1 nm
Wavelength Setting	Auto
Photometric Range	-.03 ~ 3A, 0~200%T, 0~9999C
Photometric Accuracy	± 0.05%T
Photometric Repeatability	± 0.2%T
Stray Light	± 0.05%T
Stability	±0.002A/h @ 500nm
Baseline Flatness	± 0.002A
Measurement Mode	T, A, C, E
Display	128 × 64 LCD
Detector	Imported Silicone Photodiode
Light Source	Imported D2 & Tungsten Halogen Lamp
Output	USB Port & Parallel Port
Power Supply	AC 220V / 50Hz
Dimensions	700 × 580 × 340mm & 20kg