

UV-Visible
Spectrophotometer
LB-24UVS



Overview :

UV-Visible Spectrophotometer LB-24UVS is a light intensity measuring unit with hermetic light path design for reduced stray light. The SiO₂ coated optical mirror enables uninterrupted propagation of light and reduces contamination through external sources.

Specifications :

Optical system	Single beam (1200 lines/mm grating)
Wavelength range	320 nm ~ 1100 nm
Spectral bandwidth	2 nm
Wavelength accuracy	± 0.5 nm
Wavelength repeatability	? 0.3 nm
Photometric accuracy	± 0.002 A (0 Abs ~ 0.5 Abs) 0.004 A (0.5 Abs ~ 1.0 Abs) ± 0.5% T (0% T ~ 100% T)
Photometric repeatability	0.001 Abs (0 Abs ~ 0.5 Abs) 0.002 Abs (0.5 Abs ~ 1.0 Abs) ? 0.2% T (0% T ~ 100 %)
Stray light	? 0.05% T at 360 nm, 220 nm
Stability	± 0.001 A/h at 500 nm
Baseline flatness	± 0.002 A
Noise	± 0.0005 A
Display	TFT LCD
Photometric mode	T.A.C.E
Photometric range	0% T ~ 200% T - 0.301 Abs ~ 3.0 Abs
Detector	Silicon photodiode
Light source	Deuterium lamp; Tungsten lamp
Input	Membrane keypad
Output	USB print and data output PC Connection
Power	AC 110 V ±10%; 50 Hz AC 220 V ±10%; 60 Hz

Dimensions	620 × 500 × 370 mm
Gross weight	16.5 kgs

Features :

1. Photometric detection by fixed wavelength
2. Multi-Wavelength configuration for measurement of transmittance and absorbance
3. Testing and storage capacity of 240 data in each curve
4. Large LCD display for visual monitoring of the process
5. Efficient time course scanning and reaction rate calculations
6. Wavelength and dark current calibration
7. Lamp source selection flexibility

Applications :

Used for concentration measurement, photometric analysis, impurities detection in the fields of biology, biochemical, pharmaceutical, environmental science, food, chemical, genetic, quality control, etc.

Standard Accessories:

Sr. No.	Name of the accessory	Quantity
1	10 mm glass cuvette	4 units

Optional Accessories:

Sr. No.	Name of the accessory
1	Single cell holder
2	General cell holder
3	Test tube holder
4	Solid sample holder
5	Deuterium lamp
6	Halogen lamp
7	4 place cell holder
8	Printer
9	Water jacketed cell holder (4 cells capacity)
10	Reflection accessory 5°
11	Auto 8 cell changer
12	Micro cell holder
13	Water jacketed cell holder (1 cell capacity)
14	Control temperature



Labotronics Scientific. 1007 N Orange St., Wilmington, DE 19801, USA
 info@labotronics.com | www.labotronics.com