



KLABS KDBUVS-1100 Double Beam UV-Vis Spectrophotometer



Description

KLABS KDBUVS-1100 Double Beam UV-Vis Spectrophotometer is designed for accurate and reliable analytical measurements with variable bandwidth and 8-position automatic cell changer. It supports multiple operating modes including wavelength scan, kinetics, quantitative, DNA/protein analysis, and multi-wavelength measurements.

Features

- Double Beam Optics
- Variable Spectral Bandwidth
- 320×240 Dots Graphical LCD
- Automatic Wavelength Setting
- USB Connectivity
- Auto Cell Changer with 8 Positions
- Multiple Measurement Modes
- Halogen & Deuterium Lamps
- On-Screen Standard & Kinetic Curve Display

Standard Accessories

- Quartz Cuvettes – Set of 2
- Glass Cuvettes – Set of 4
- Instrument Manual
- Software Manual
- Software
- USB Data Cable
- Mains Lead
- Dust Cover



LCD
DISPLAY



STABLE
FLAME



SOFTWARE
CONTROL SYS.



LOW NOISE
COMPRESSOR



USB
CONNECTIVITY

Technical Specifications

Parameter	Specification
Function	Basic, Wavelength Scan, Multi Wavelength, Kinetics, Quantitative, DNA/Protein
Wavelength Range	190 – 1100 nm
Spectral Bandwidth	0.5 / 1.0 / 1.5 / 2.0 / 4.0 / 5.0 nm (Variable)
Optical System	Double Beam, Grating 1200 lines/mm
Wavelength Accuracy	± 0.1 nm
Wavelength Repeatability	± 0.1 nm
Scanning Speed	HI, MED & LOW, MAX. 3600 nm/min
Photometric Accuracy	± 0.3 %T
Photometric Repeatability	± 0.002 A/h @1A
Photometric Range	%T 0–400%
Absorbance Range	Abs: -0.4 to 4 Abs
Concentration Range	Conc: 0–9999 C
Stray Light	< 0.05 %T @ 220 nm & 360 nm
Stability	± 0.001 A/h @ 500 nm
Display	320×240 Dots Graphical LCD
Baseline Flatness	± 0.001 A/h (200–1000 nm)
Sample Compartment	8 Cell with automatic cell changer 10 mm path-length
Light Source	Halogen & Deuterium Lamps (Pre-Aligned)
Printer Interface	USB, Parallel port for dot matrix
Detector	Silicon Photodiode
Power	230 V ±10%, AC 50 Hz
Dimensions (L × B × H)	760 × 550 × 240 mm (Approx.)
Weight	20.0 Kg (Approx.)