



KLABS Double Beam UV-Vis Spectrophotometer (2 Cell Holder)



Product Description

KLABS KDBUVS-1100 Double Beam UV-Vis Spectrophotometer is designed for accurate and reliable spectrophotometric analysis. The system features double beam optics, TFT graphical display, multiple analysis modes and USB connectivity for laboratory, research and quality control applications.

Features

- Double Beam Optics
- 320 × 240 TFT Colored Graphical LCD
- Auto Wavelength Setting
- On-screen Standard and Kinetic Curve Display
- Tungsten/Deuterium Lamp can be turned ON/OFF individually to extend lifetime
- Application software provides complete control through built-in USB Port
- Basic, WL Scan, Multi-Wavelength, Kinetic, Quantitative and DNA/Protein modes
- Pre-aligned design for convenient lamp replacement
- Large sample compartment accommodating 5–100 mm path-length cuvettes with optional holders

Standard Accessories

- Quartz Cuvettes – A set of 2
- Glass Cuvettes – A set of 4
- Instruction Manual
- Software Manual
- USB Data Cable for PC Connectivity
- Mains Lead
- Dust Cover

ACCURATE
& STABLETFT
DISPLAYSOFTWARE
CONTROL SYS.EASY
OPERATIONUSB
CONNECTIVITY**KDBUVS-1100**

Application/Uses

- Pharmaceutical Laboratories
- Research & Development Laboratories
- Academic Institutions
- Quality Control Laboratories
- Chemical Analysis
- DNA/Protein Analysis
- Quantitative Analysis
- Wavelength Scanning Applications
- Kinetic Studies
- Environmental Testing

Technical Specifications

Parameter	Specification
Product Name	Double Beam UV-Vis Spectrophotometer
Model Number	KDBUVS-1100
Function	Basic, Wavelength Scan, Multi Wavelength, Kinetics, Quantitative, DNA/Protein
Wavelength Range	190 - 1100 nm
Spectral Bandwidth	1.0 nm
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 or ± 0.002 A/h @1A
Photometric Range	%T 0 - 200%
	Abs : -0.4 to 4A
	Conc. : 0 - 9999
Stray Light	< 0.05 %T @ 220 nm & 340 nm
Stability	± 0.001 A/h @ 500 nm
Display	7 Inches 320 × 240 TFT colored graphical LCD
Baseline Flatness	± 0.001A/h (200 -1000 nm)
Sample Compartment	2 cell holder 10 mm path length (50 mm & 100 mm path-length optional at extra cost)
Light Source	Halogen & Deuterium Lamps (Pre-Aligned)
Printer Interface	USB drive, USB host and RS 232
Detector	Silicon photodiode
PC Connectivity	USB Port for PC connectivity and RS 232
Power	230 ± 10% AC, 50 Hz
Dimensions (L × B × H)	580 × 500 × 210 mm (Approx.)
Weight	16.0 Kg (Approx.)