



KLABS KDBUVS-1100 Double Beam UV-Vis Spectrophotometer (Touch Screen)



Product Description

KLABS KDBUVS-1100 Double Beam UV-Vis Spectrophotometer is a high-performance touch-screen spectrophotometer designed for advanced analytical applications. The instrument features double beam optics, 10.1-inch color touch screen, automatic wavelength setting, multiple photometric modes and comprehensive software control for research, pharmaceutical and quality control laboratories.

Features

- Double Beam Optics
- 10.1 Inch Touch Screen
- Auto Wavelength Setting
- On-screen Standard and Kinetic Curve Display
- Tungsten/Deuterium Lamp can be turned ON/OFF individually to extend lifetime
- Software controlled operation through USB Port
- Basic, Wavelength Scan, Multi-Wavelength, Kinetic, Quantitative and DNA/Protein modes
- Pre-aligned lamp design for easy replacement
- Large sample compartment accommodating 5–100 mm path-length cuvettes

Application/Uses

- Pharmaceutical Laboratories
- Research & Development Laboratories
- Quality Control Laboratories
- Academic Institutions
- Chemical Analysis
- Environmental Testing
- Wavelength Scanning Applications



ACCURATE
& STABLE



TOUCH
SCREEN



SOFTWARE
CONTROL SYS.



EASY
OPERATION



USB
CONNECTIVITY

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 C
Stray Light	< 0.05 %T @ 220 nm & 360 nm
Stability	± 0.001 A/h @ 500 nm
Display	10.1 Inches Colored Touch Screen
Baseline Flatness	± 0.001 A/h (200 – 1000 nm)
Sample Compartment	2 cell with automatic cell changer – 10 mm path-length
Light Source	Halogen & Deuterium Lamps (Pre-Aligned)
Printer Interface	USB drive, USB host and RS232
PC Connectivity	USB PORT FOR PC CONNECTIVITY
Detector	Silicon photodiode
Power	230 ± 10% AC, 50 Hz
Dimensions (L × B × H)	810 × 660 × 390 mm (Approx.)
Weight	27.0 Kg (Approx.)

Standard Accessories

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