



KLABS KDUV-1100 Double Beam UV-VIS Spectrophotometer (8 Cell Holder)



Product Description

KLABS KDUV-1100 Double Beam UV-VIS Spectrophotometer is a high-performance analytical instrument designed for advanced quantitative and qualitative analysis. Featuring double beam optics, 7-inch TFT color display, automatic 8-cell changer, kinetic analysis and DNA/Protein measurement modes, it delivers exceptional accuracy, stability and operational convenience for research and quality control laboratories.

Features

- Double Beam Optical System
- 7 Inch TFT Color Touch Screen
- Automatic Wavelength Setting
- On-Screen Standard and Kinetic Curve Display
- Individual ON/OFF Control for Tungsten & Deuterium Lamps
- PC Software Control via USB Interface
- Multi-Mode Operation (Basic, Scan, Quantitative, DNA/Protein, Kinetics)
- Pre-Aligned Lamp Design for Easy Replacement
- Automatic 8 Cell Holder
- High Accuracy and Excellent Stability

Application/Uses

- Pharmaceutical Analysis
- Biotechnology Research
- DNA & Protein Quantification
- Environmental Testing
- Food & Beverage Analysis
- Water Quality Testing
- Academic Research Laboratories



ACCURATE
& STABLE



TFT
DISPLAY



SOFTWARE
CONTROL SYS.



EASY
OPERATION



USB
CONNECTIVITY

KDUV-1100

Technical Specifications

Parameter	Details
Product Name	Double Beam UV-VIS Spectrophotometer
Model Number	KDUV-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 @ 1A
Photometric Range	%T: 0–200%, Abs: -0.4 to 4A, Conc: 0–9999
Stray Light	<0.05 %T @ 220 nm & 360 nm
Stability	±0.001 A/h @ 500 nm
Display	7 Inch TFT Color Screen
Baseline Flatness	±0.001 A/h (200–1000 nm)
Sample Compartment	Automatic 8 Cell Changer, 10 mm Path Length
Light Source	Halogen & Deuterium Lamps (Pre-Aligned)
Printer Interface	USB Drive, USB Host & RS232
Detector	Silicon Photodiode
Power Supply	230V ±10%, AC, 50 Hz
Dimensions (L × B × H)	810 × 660 × 390 mm (Approx.)
Weight	27.0 kg (Approx.)

Standard Accessories

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