



KLABS DOUBLE BEAM UV-VIS SPECTROPHOTOMETER



Product Description

KLABS KDBUVS-1901 Double Beam UV-Vis Spectrophotometer is a high-performance analytical instrument designed for precise measurement and analysis in laboratories. The system features Bluetooth connectivity, Android software support, double beam optics and an advanced tablet-based control system for convenient operation and accurate results.

Features

- Bluetooth Connectivity
- Double Beam Optics
- 8.7 Inch Tablet with 128 GB Storage
- 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 of the instrument from a computer through the built-in USB Port
- Basic, WL Scan, Multi-Wavelength, Kinetic, Quantitative, DNA/Protein modes
- Pre-aligned design makes it convenient to change Lamps
- Large Sample Compartment can accommodate 5-100 mm path-length cuvettes with optional holders

Applications & Uses

- Pharmaceutical laboratories for analytical testing
- Chemical and biochemical analysis applications
- Research and development laboratories
- Educational and training institutes
- DNA/Protein analysis applications
- Quantitative and kinetic analysis
- Multi-wavelength scanning applications
- Quality control and routine laboratory testing



TOUCH
SCREEN TABLET



SOFTWARE
CONTROL SYS.



ANDROID
SYSTEM



EASY
OPERATION



USB
CONNECTIVITY

Accessories

- Quartz Cuvettes – A set of 2
- Glass Cuvettes – A set of 4
- 8.7 Inch Tablet With 128 GB Storage
- Instruction Manual
- Mains Lead
- Dust Cover

Technical Specifications

Parameter	Specification
Product Name	Double Beam UV-Vis Spectrophotometer
Model Number	KDBUVS-1901
Wavelength Range	190-1100nm
Spectral Bandwidth	1nm
Optical System	Double Beam, Blazed Holographic Grating (1200 lines/mm)
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	≤0.2nm
Wavelength Setting	Auto, Resolution 0.1nm
Photometric Range	0-200%T, -4~4A, 0-9999C
Photometric Accuracy	±0.002A (0~0.5A), ±0.003A (0.5~1A), ±0.3%T (0~100%T)
Photometric Repeatability	≤0.001A (0~0.5A), ≤0.002A (0.5~1A), ≤0.2%T (0~100%T)
Stray Light	≤0.05%T (220/360nm)
Scan Speed	High, Medium, Low, Max.2000nm/minute
Baseline Flatness	±0.0015A
Stability	±0.001A/h (500nm,0A)
Noise	≤0.2%T/3min (250/500nm,0%T); ≤0.5%T/3min (250/500nm,100%T)
Sample Compartment	10mm Pathlength Cuvette
Detector	Silicon Photodiode
Lamps	Tungsten Lamp & Deuterium Lamp (Pre-aligned)
Output Port	USB Port
Printer	Mini Serial Printer, PC Printer
PC Software	UV Analyst Scanning Software
Power Requirements	AC 90-250V, 50/60Hz
Dimension	545x460x245mm
Weight	18kg