



KLABS KDBS-190 Double Beam UV-Vis Spectrophotometer (Xenon Lamp)



Product Description

KLABS Double Beam UV-Vis Spectrophotometer (Xenon Lamp) is a high-performance analytical instrument designed for accurate absorbance and transmittance measurements. It features a long-life Xenon lamp, double beam optical system, and advanced software for reliable laboratory analysis.

Features

- Double Beam Optics
- 7 Inches TFT Color Screen
- Auto Wavelength Setting at 0.1 nm Interval
- On-screen Standard and Kinetic Curve Display
- Xenon Lamp for Extended Lifetime
- PC Control Through USB Port
- Supports Basic, WL Scan, Multi-Wavelength, Kinetic, Quantitative & DNA/Protein Modes

Application/Uses

- Research Laboratories
- Pharmaceutical Laboratories
- Quality Control Laboratories
- Chemical Analysis
- Educational Institutions
- Environmental Testing
- Biotechnology Laboratories
- Routine Laboratory Analysis

ACCURATE
& STABLETFT
LED DisplaySOFTWARE
CONTROL SYS.EASY
OPERATIONUSB
CONNECTIVITY

Technical Specifications

Technical Parameter	Specification
Product Name	Double Beam UV-Vis Spectrophotometer (Xenon Lamp)
Model Number	KDBS-190
Function	Basic, Wavelength Scan, Multi Wavelength, Kinetics, Quantitative, DNA/Protein
Wavelength Range	190 - 1100 nm
Spectral Bandwidth	1 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 4 A; Conc.: 0 - 9999 C
Stray Light	≤ 0.03 %T @ 220 nm & 360 nm
Stability	± 0.001 A/h @ 500 nm
Display	7 Inches TFT Colored Screen
Baseline Flatness	± 0.001 A/h (200 -1000 nm)
Sample Compartment	2 cell holder-10 mm path-length
Light Source	Xenon Lamp
Printer Interface	USB DRIVE, USB HOST & Rs232
PC Connectivity	USB PORT FOR PC CONNECTIVITY
Detector	Imported Silicon photodiode
Power	230 $\pm$ 10% AC, 50 Hz
Dimensions (L $\times$ B $\times$ H)	810 $\times$ 660 $\times$ 390 mm (Approx.)
Weight	27.0 Kg (Approx.)

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