



KLABS KSUV-1000 Single Beam UV-VIS Spectrophotometer



Product Description

KLABS KSUV-1000 Single Beam UV-VIS Spectrophotometer is a versatile analytical instrument designed for accurate absorbance, transmittance and concentration measurements. The instrument covers the complete UV and Visible spectrum, featuring automatic lamp selection, LCD display, RS-232 connectivity and a 4-position cuvette holder for routine laboratory applications.

Features

- Wide Wavelength Range: 190–1000 nm
- Single Beam Optical System
- Automatic Lamp Selection between UV & Visible Range
- 4 Position Cuvette Holder
- LCD Data Display
- RS-232 Computer Interface
- Printer Connectivity
- High Accuracy and Stability
- Soft Touch Membrane Keyboard
- Easy Operation and Maintenance

Application/Uses

- Pharmaceutical Analysis
- Water & Wastewater Testing
- Food & Beverage Testing
- Environmental Monitoring
- Chemical Laboratories



LCD
DISPLAY



OPTIONAL TUBE



ACCURATE
& STABLE



EASY
OPERATION



USB
CONNECTIVITY

Technical Specifications

Parameter	Details
Product Name	Single Beam UV-VIS Spectrophotometer
Model Number	KSUV-1000
Wavelength Range	190 – 1000 nm
Spectral Bandwidth	4 nm
Optical System	Single Beam, Grating 1200 lines/mm
Wavelength Accuracy	± 1 nm
Wavelength Repeatability	2.0 nm
Wavelength Resolution	2.0 nm
Photometric Accuracy	± 0.5 %T or 0.003 A @ 1A
Photometric Range	-0.3 to 2A, 0 – 200 %T, 0 – 9999 Concentration
Stray Light	< 0.3 %T
Stability	± 0.002 A/h @ 500 nm
Display	LCD
Keyboard	Soft Touch Membrane Keys
Photometric Mode	% Transmission, Absorbance and Concentration
Detector	Silicon Photodiode
Sample Compartment	Standard 4-Position 10 mm Path-Length Cuvette Holder
Optional Holder	50 mm Path-Length Cuvette Holder
Light Source	Tungsten and Deuterium Lamps
Output	RS232 Port for PC Connectivity and Parallel Port for Dot Matrix Printer
Power Supply	230V $\pm 10\%$, AC, 50 Hz

Standard Accessories

- Quartz Cuvettes – Set of 2
- Glass Cuvettes – Set of 4
- Instruction Manual
- Software Manual
- Software
- RS-232 Cable for PC Connectivity
- Mains Lead
- Dust Cover