



KLABS KUVS-291 Single Beam UV-VIS Spectrophotometer (Professional Software)



Product Description

KLABS KUVS-291 Single Beam UV-VIS Spectrophotometer is a high-performance analytical instrument designed for quantitative and qualitative analysis in research, pharmaceutical, environmental and quality control laboratories. The instrument features professional PC software, graphical LCD display, USB connectivity and excellent wavelength accuracy for reliable analytical measurements.

Features

- Covers Wide Wavelength Range of 190–1100 nm
- Single Beam Optical System
- 4 Position Cuvette Holder
- Microprocessor Based Wavelength Selection
- 128 × 64 Graphical LCD Display
- Professional PC Software Included
- USB Computer Interface
- Printer Connectivity
- High Accuracy and Stability
- Easy Operation and Maintenance

Application/Uses

- Pharmaceutical Analysis
- Water & Wastewater Testing
- Environmental Monitoring
- Food & Beverage Testing
- Academic & Research Laboratories
- Chemical Analysis
- Quality Control Laboratories
- DNA / Protein Analysis



LCD
DISPLAY



SOFTWARE
CONTROL SYS.



ACCURATE
& STABLE



EASY
OPERATION



USB
CONNECTIVITY

Technical Specifications

Parameter	Details
Product Name	Single Beam UV-VIS Spectrophotometer
Model Number	KUVS-291
Wavelength Range	190 – 1100 nm
Spectral Bandwidth	2 nm
Optical System	Single Beam, Grating 1200 lines/mm
Wavelength Accuracy	±0.1 nm
Wavelength Repeatability	0.1 nm
Wavelength Resolution	0.1 nm
Photometric Accuracy	±0.5% T or 0.003 A @ 1A
Photometric Range	-0.3 to 3A, 0–200%T, 0–9999 Concentration
Stray Light	<0.3% T
Stability	±0.002 A/h @500 nm
Display	128 × 64 Dots Large Graphical LCD
Keyboard	Soft Touch Membrane Keys
Photometric Modes	% Transmission, Absorbance & Concentration
Detector	Silicon Photodiode
Sample Compartment	Standard 4 Position 10 mm Path Length Cuvette Holder
Optional Holder	Supports up to 50 mm Path Length Cuvette
Light Source	Tungsten and Deuterium Lamps
Output	USB for PC Connectivity & Parallel Port for Dot Matrix Printer
PC Software	Professional Software for Quantitative, Kinetic, Wavelength Scan & DNA/Protein Analysis
Power Supply	230V ±10%, 50 Hz AC

Standard Accessories

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