



KLABS KDS-340 Digital Spectrophotometer



Product Description

KLABS KDS-340 Digital Spectrophotometer is a reliable visible-range spectrophotometer designed for routine quantitative analysis in educational, industrial and quality control laboratories. The instrument offers dual digital display for wavelength and data, direct concentration measurement, high stability optics and user-friendly operation for accurate analytical results.

Features

- Wavelength Range from 340 to 960 nm
- Dual Digital Display for Wavelength & Data
- Direct Concentration Measurement Facility
- Highly Stable and Accurate Performance
- Wavelength Resolution of 1 nm
- Silicon Photodiode Detector
- Tungsten Halogen Light Source
- Low Noise Operation
- Easy to Operate Controls
- Compact Bench-Top Design

Application/Uses

- Educational Laboratories
- Chemical Analysis Laboratories
- Water Testing Laboratories
- Environmental Monitoring
- Industrial Quality Control
- Food & Beverage Testing
- Pharmaceutical Testing
- Routine Laboratory Analysis



DIGITAL
DISPLAY



STABLE
DESIGN



LOW NOISE



ACCURATE
& STABLE



EASY
OPERATION

Technical Specifications

Parameter	Details
Product Name	Digital Spectrophotometer
Model Number	KDS-340
Wavelength Range	340 to 960 nm
Resolution	0.1% T, Abs. 0.001, Conc. 1
Output Range	%T: 0 to 100%, Abs: 0 to 1.999, Conc: 0 to 1999
Detector	Silicon Photodiode
Light Source	6V, 10W Tungsten Halogen Lamp
Monochromator	600 lines/mm Holographic Grating
Sample Holder	10 mm Cuvette Holder
Path Length Options	10 mm, 50 mm & 100 mm
Spectral Bandwidth	5 nm
Wavelength Resolution	1 nm
Wavelength Accuracy	±2.5 nm
Wavelength Repeatability	±2 nm
Display	3½ Digit Bright Red LED Dual Display
Operating Temperature	5°C to 45°C
Power Supply	230V ±10%, 50 Hz AC
Dimensions (L × B × H)	475 × 285 × 130 mm (Approx.)
Weight	8.5 kg (Approx.)

Standard Accessories

- Glass Cuvettes (10 mm) – 2 Nos.
- Dust Cover – 1 No.
- Operation Manual – 1 No.