

CE KLABS KMPS-1100 Microprocessor Spectrophotometer



Advance Scanning based

Product Description

KLABS KMPS-1100 Microprocessor Spectrophotometer is an advanced scanning-based spectrophotometer designed for accurate and reliable analysis. The instrument features microprocessor-controlled wavelength selection, graphical LCD display, USB connectivity and versatile photometric measurement modes for laboratory, research and quality control applications.

Features

- Covers wavelength range from 320–1100 nm
- 4 Position Cuvette Holder
- Microprocessor based wavelength selection
- 128 × 64 graphical LCD display
- Printer interface
- USB computer interface

Application/Uses

- Water Testing Laboratories
- Research Laboratories
- Educational Institutions
- Pharmaceutical Laboratories
- Chemical Analysis
- Environmental Monitoring
- Food Testing Laboratories
- Quality Control Laboratories
- Quantitative Analysis
- DNA / Protein Analysis



LCD
DISPLAY



SOFTWARE
CONTROL SYS.



ACCURATE
& STABLE



EASY
OPERATION



USB
CONNECTIVITY

Technical Specifications

Parameter	Specification
Product Name	Microprocessor Spectrophotometer
Model Number	KMPS-1100
Wavelength Range	320 – 1100 nm
Spectral Bandwidth	2 nm
Optical System	Single Beam, grating 1200 lines/mm
Wavelength Accuracy	±0.5 nm
Wavelength Repeatability	±0.3 nm
Wavelength Resolution	0.1 nm
Photometric Accuracy	±0.3 %T or 0.003 A @1A
Photometric Range	-0.3 to 3A, 0–200%T, 0–9999 conc.
Photometric Repeatability	±0.2 %T
Stray Light	<0.3%T
Stability	±0.002A/h @500nm
Display	128 × 64 Dots Large Graphical LCD
Photometric Mode	% Transmission, Absorbance and Concentration
Keyboard	Soft Touch Membrane Keys
Sample Compartment	Standard 4-Position 10 mm path-length cuvette holder
Sample Compartment	Accommodates up to 50 mm path-length cuvette with optional holder
Light Source	Tungsten Lamps
Detector	Silicon Photodiode
Output	USB for PC Connectivity and Parallel Port for Dot Matrix Printer
PC Software	PC Software provided for quantitative/kinetic analysis
PC Software	Additional wavelength scan and DNA/Protein Test
Power	230 V ±10%, AC, 50 Hz

Standard Accessories

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