



KLABS KPCM-100 Microprocessor pH - Conductivity - TDS - Salt Meter



Product Description

KLABS KPCM-100 is a versatile Microprocessor pH, Conductivity, TDS and Salt Meter designed for comprehensive water quality analysis. The instrument combines four analytical parameters in a single platform, offering accurate measurement, automatic temperature compensation, programmable calibration and PC connectivity for laboratory and industrial applications.

Features

- Multiple Parameter Measurement in One Instrument
- Stable and Accurate Results
- Compact Bench-Top Design
- PC Connectivity Available
- Easy to Operate Interface
- 3 Point Calibration Facility
- Automatic Temperature Compensation
- Data Storage Capability
- USB Communication Interface
- Real-Time Data Display

Application/Uses

- Water Quality Analysis
- Environmental Monitoring
- Pharmaceutical Laboratories
- Chemical Laboratories
- Research & Development Centers
- Educational Institutions
- Industrial Process Control
- Wastewater Analysis

LCD
DISPLAYACCURATE
& STABLESOFTWARE
CONTROL SYS.EASY
OPERATIONUSB
CONNECTIVITY

Technical Specifications

Parameter	Details
Product Name	Microprocessor pH - Conductivity - TDS - Salt Meter
Model Number	KPCM-100
Display	16 Character × 2 Lines Alphanumeric LCD
Power Supply	230V ±10%, 50 Hz AC
pH Range	0 to 14 pH
pH Resolution	0.01 pH
pH Accuracy	±0.01 pH
Slope Adjustment	±1 Digit, 80% to 120%, Default 100%
Temperature Compensation (pH)	0 to 100°C Auto with Temp Probe / Manual with Keys
Auto Buffer Recognition	4.00 pH, 7.00 pH, 9.20 pH
Calibration	3 Point (Programmable)
Conductivity Range	0.00 µS/cm to 1000 µS Auto Ranging
TDS Range	0.0 ppm to 1000 ppm Auto Ranging
Salt Range	0.0 ppt to 50 ppt Auto Ranging
Conductivity Resolution	0.01 µS on Lowest Range
TDS Resolution	0.1 ppm
Salt Resolution	0.2 ppt
Conductivity/TDS/Salt Accuracy	±0.5% of Range ±1 Digit
Measuring Cell	Platinum Dip Type
Temperature Range	-50.0°C to 200°C
Temperature Resolution	0.1°C
Temperature Accuracy	±0.1% of Range ±1 Digit
Temperature Compensation	0 to 100°C Automatic with Temperature Probe
Temperature Calibration	Two Point Manual
Controls	Six Soft Touch Keys with Audible Sound
Data Storage	100 Samples
Real Time Display	24 Hour Mode with Date
Interface	USB
Print Format	All Data & Date Wise (Programmable)
Error Indication	pH ERROR, ORP ERROR, CAL ERROR & T-ERROR

Standard Accessories

- Combined pH Electrode
- Conductivity / TDS Cell
- Temperature Probe
- USB Cable
- Software
- Instruction Manual