

LABORATORY pH/ISE METER

(Laboratory pH/mV/Temp/ISE Meter)



MODEL: TOP-500pH/ISE

DESCRIPTION

TOPLAB INDIA'S Microprocessor based pH/ISE Meter is designed for full functionality and features. The bench top pH/ISE meter provides reliable pH, mV, ISE and Temperature measurements. The Combination pH Electrode and Precision Ion Selective Electrodes ensure highly stable & accurate pH and Ion measurements. The pH/ISE meters feature including comprehensive GLP data logging, real-time clock display. Manual or Auto timing data storage, USB data output and software support, auto calibration, auto temperature compensation, auto electrode recognition, parameter setting, self-diagnosis, calibration reminder, calibration time check and auto power-off etc.

Advanced Features:

- 5.7 inches High resolution LCD display with backlight.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Data Storage 500 sets (GLP-compliant).
- Support for USB or RS-232 communication.
- Reset feature automatically resumes all settings back to factory default options.
- Automatic electrode diagnosis with pH slope and offset display.
- For pH & ISE both has 1-5 point calibration with Standard Recognition.
- Over 10 ISE methods are built-in, including F⁻, Cl⁻, Br⁻, I⁻, NO₃⁻, BF₄⁻, NH₄⁺, K⁺, Na⁺, Ca²⁺, Cu²⁺, Pb²⁺, Ag⁺ and etc., user-defined method is supported.
- Selectable measurement unit, including µg/L, mg/L, g/L, mmol/L, ppm, ppb, etc.
- Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.

Laboratory pH//mV/Temp/ISE Meter

Technical Specification:

Model:	TOP-500pH/ISE	
Measuring Range:	pH:	-2.00 ~ 20.00 pH
	mV:	-2000.0 to +2000.0 mV
	ISE:	1.000 x 10 ⁻⁹ to 9.999 x 10 ¹⁰ ISE Unit: mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb
	Temperature:	-5 to 110°C
Resolution:	pH:	0.1, 0.01pH
	mV:	0.1 mV
	ISE:	Up to 4 significant digits
	Temperature:	0.1°C
Accuracy :	pH:	±0.01 pH ±1 digit
	mV:	±0.1 mV or ±0.03%
	ISE:	±0.3% Full Scale (Monovalent Ion) ±0.7% Full Scale (Divalent Ion)
	Temperature:	±0.2°C ±1 digit
Temp. Compensation:	ATC- Auto or MTC- Manual	
pH Calibration:	5 - Point Calibration (USA, GB, NIST& DIN)	
ISE Calibration:	Up to 5 Point Calibration	
Display:	5.7 inches High resolution LCD display with Backlight	
Reading Mode:	Auto Read (Fast, Medium, Slow), Timed, Continuous	
Reading Prompts:	Reading, Stable, Locked	
Auto Shutdown:	Yes, 1~60 min, off	
Date and Time:	Yes	
Data Storage Capacity:	500 results each	
Storage Content:	Numberings, Date, Time, Measurements, Unit, and Temperature	
GLP Features:	Yes	
Inputs:	pH Electrode:	BNC Connector
	Temp. Probe:	4-pin aviation connector
Outputs:	USB:	PC Connectivity
	RS232:	Printer Connectivity
Electrode Holder:	Yes – Flexible Electrode Holder	
IP Rating:	IP54 (Water-Proof)	
Operating Voltage:	DC 9V (AC Adaptor) Input Voltage: AC230V,50/60Hz	
Meter Size/Weight: :	370×320×220 mm / 3.0 kg	

Standard Scope of Supply:

- TOP-500PH/ISE – pH/ISE Meter Main Unit
- Combined pH electrode
- TOPSTIR – Magnetic Stirrer
- pH Standard Solution(4.01, 7.00, 10.01) 50ml each
- Flexible electrode stand
- Operation Manual & Warranty Card

Optional Accessories:

- Combined Ion Selective Electrode
- TISAB Solution
- ISA Solution
- Calibration Standards

