

Microprocessor Based pH Meter

1012, 1013, 1010



1 Year
Warranty

- 16x2 Line LCD Display
- Measures pH, mV & Temperature
- Auto Buffer Recognition Facility
- Storage for 90 Samples
- Printer Attachment Facility

Microprocessor Based pH Meter Model 1012 is a high performance micro-controller based system for accurate, reliable & precise pH, mV and Temperature measurements.

Microprocessor Based pH Meter Model 1013 is a research grade instrument with 0.001 pH resolution & 0 to 14.000 pH & 0 to 1999.9 mV range and Temperature upto 100°C.

Microprocessor Based pH Meter Model 1010 is general purpose pH meter with 7 segment LED display. It is designed to provide the precise pH, mV and temperature measurements. It has auto buffer recognition for 4.00, 7.00 and 9.2 pH buffer and auto 2 or 3 points buffer calibration. The system has 6 soft touch membrane type keys for ease of operation. The calibration is retained even after the instrument is switched OFF.

μp Based pH Meter

Technical Data

MODEL	1012	1010	1013
pH			
RANGE	0 to 14.00 pH	0 to 14.00	0 to 14.000
RESOLUTION	0.01	0.01	0.002
ACCURACY	± 0.01 ± 1 Digit	± 0.01 ± 1 Digit	± 0.01 ± 1 Digit
mV			
RANGE	0 to ± 1999.9	0 to ± 1999	0 to ± 1999.9
RESOLUTION	0.1 mV	1 mV	0.1 mV
ACCURACY	± 0.1 mV ± 1 Digit	± 1 mV ± 1 Digit	± 0.1 mV ± 1 Digit
TEMPERATURE			
RANGE	0 - 100°C	0 - 100°C	0 - 100°C
RESOLUTION	0.1°C	1°C	0.1°C
ACCURACY	± 1°C	1°C	± 1°C
STORAGE	Up to 90 Samples	—	Up to 90 Samples
DISPLAY	16X2 Line LCD Display	3 Digit LED	16X2 Line LCD Display
PRINTER ATTACHEMENT	Available	—	Available
TEMP. SENSOR	Semi-Conductor	Semi-Conductor	Semi-Conductor
AUTO BUFFER RECOGNITION	4.00, 7.00 & 9.20 pH	4.00, 7.00 & 9.20 pH	4.00, 7.00 & 9.20 pH
CALIBRATION	Auto/Manual (2 Points)	Auto (2 or 3 Points)	Auto/Manual (2 or 3 Points)
TEMPERATURE COMPENSATION	0 - 100°C Auto/Manual	0 - 100°C Auto/Manual	0 - 100°C Auto/Manual
POWER	230V ± 10% AC, 50 Hz	230V ± 10% AC, 50 Hz	230V ± 10% AC, 50 Hz
WEIGHT	2.5 Kg(Approx)	2.5 Kg(Approx)	2.5 Kg(Approx)
DIMENSIONS	Inst. 280X190X90mm(Approx.) Packing 320X305X270mm(Approx.)		
ELECTRODE SLOPE	80% to 120%		
ACCESSORIES	Combined pH Electrode, Temperature Probe, Dust Cover, Instruction Manual, Electrode Stand Buffer Tablets 4 & 7 pH & Main Lead		

Product Range

Semi Auto Analyser, Single Beam and double Beam UV/VIS Spectrophotometer, Flame Photometers, Haemoglobin Meter, Digital pH, Meter, Digital Photo Fluorometer, Digital Conductivity Meter, Digital Photo Colorimeter, Turbidity Meter, Auto KF Titrimeter, Digital DO Meter, Digital Conductivity Meter, Digital TDS Meter, Temperature Indicator, Digital Telethermometer, Water & Soil Analysis Kit, Digital Salinity Meter, Digital Colony Counter, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Digital Tablet Disintegration Apparatus, Digital Friability Test Apparatus Tablet Dissolution Test Apparatus, Melting Point Apparatus, Student Microscope, Binocular microscope, Medical Microscope, Co-Axial Microscope.

Note:- Packaging in shock proof Styrofoam packing inside an attractive and thick plywood storage box