μp Based
pH Meter

Microprocessor Based pH Meter

1012 &1013

Features

- 128 x 64 dots Graphical LCD Display
- Measures pH, mV & Temperature
- Auto Buffer Recognition Facility
- Storage for 1000 Samples
- Attachment for Serial Dot Matrix / Thermal Printer

1 **Year Warranty**

Microprocessor Based pH Meter Model 1013 & 1012 is a high performance microcontroller based system for accurate, reliable & precise pH, mV and Temperature measurements. The microprocessor technology and advanced engineering techniques used, give enhanced accuracy and reproducibility. The system has user friendly prompts which guide you through out the measurement process.

The instrument has in-built error codes which alert you to incorrect buffers, over range and procedural errors. It has auto buffer recognition facility. Both auto and manual temperature compensation facility is available. It has 8 soft touch membrane type keys for ease of operation. Storage facility for 1000 samples has been provided, which are retained in the system's memory. It also has the provision for the attachment of any dot matrix / thermal printer with serial Rs232 interface.

The instrument is extremely useful for Chemical and Pharmaceutical industries, Agriculture and Soil Analysis laboratories, Swimming pools, Water quality control in boiler feed water, water works department, Fertilizer plants, Petroleum Refineries, breweries, water purification plants etc.

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Technical Data

MODEL	1012	1013
pH		
RANGE	-2.00 to 20.00 pH	-2.00 to 20.000 pH
RESOLUTION	0.01pH	0.001pH
ACCURACY	± 0.01pH ± 1 Digit	± 0.001pH ± 1 Digit
mV		
RANGE	0 to ± 1999.9mV	0 to ± 1999.9mV
RESOLUTION	0.1 mV	0.1 mV
ACCURACY	± 0.1 mV	± 0.1 mV
TEMPERATURE		
RANGE	-5 to 110 °C	-5 to 110 °C
RESOLUTION	0.1°C	0.1°C
ACCURACY	± 0.1°C	± 0.1°C
STORAGE	Up to 1000 Samples	
DISPLAY	128 x 64 dots Graphical LCD Display	
PRINTER ATTACHEMENT	External Serial Rs232 Dot Matrix Printer/Thermal Printer Interface	
TEMP. SENSOR	Semi-Conductor	
AUTO BUFFER RECOGIZATION	4.00, 7.00 & 9.20 pH	
CALIBRATION	Auto/Manual	
TEMPERATURE COMPENSATION	0 to 100 °C Auto/Manual	
POWER	12V DC using 230V ± 10% AC Adoptor	
WEIGHT	0.8 Kg(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.

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

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