

pH-Conductivity Meter

PG Instruments - a leader in the development of first class scientific instruments - has launched the Series 16 combined pH and Conductivity meter, designed for use in all laboratories for routine or Research & Development level measurements.

The compact bench top system benefits from a small footprint and is the number one choice in laboratory advanced measurement systems. The system measures pH, mV and has a 40 point data memory storage facility.

The instrument benefits from TWO operating modes:

- ▶ *Standard Mode*
- ▶ *GLP Mode - where 40 data readings can be stored, printed and scanned on display. A further feature of GLP mode enables additional sample information entries to be stored such as Sample Name and ID number*

The optional Data Logging Function enables the user to store 24 data points consisting of pH, temperature and time readings, which are required for Kinetic or Chemical reaction studies. The time intervals can be set between 1 and 60 minutes in steps of 1 minute.

When using the instrument in the Conductivity mode, this high performance system provides extremely accurate data for both routine and Research & Development. The instrument has a selective temperature function thus enabling the system to calculate the conductivity at the reference temperature of 25°C +/- 0.1°C

Conductivity is an important factor in water analysis for:

- ▶ *Quality of drinking water*
- ▶ *Direct ionic concentration measurement in pharmaceutical preparations*
- ▶ *Waste water treatment plants*
- ▶ *Pollution control in lakes & rivers*
- ▶ *Boiler feed water*
- ▶ *Determination of salinity and TDS in sea water*



NEW

Specifications

General

Temperature Range	0 to 150°C
Resolution of Temperature Range	0.1°C
Relative Accuracy	+/- 0.2°C
Sensor	Resonating Temperature Detector
Temperature Compensation	Automatic & User adjustable
Display	20 x 2 Line Back Lit LCD Display
Keyboard	Alphanumeric - splash proof polyester soft touch keys
Output	Printer and PC Connectivity

Environmental Operating Conditions

Temperature	Ambient to 45°C
Relative Humidity	5 to 90%
Power Requirement	110V/220V 50Hz/60Hz
Dimensions	305 x 220 x 70mm
Weight	2.2 kgs

pH Meter

pH Range	-2.00 to 19.999
Resolution	0.1 / 0.01 / 0.001pH
Relative Accuracy	+/- 0.002 pH
Slope	3 Points 80% to 120%, 5 points 90% to 105%
Sensor	Combination pH Electrode
Calibration	Auto-Calibration & printout or Calibration Report
mV Range	0 to +/- 1999.9mV
Resolution of mV Range	+/- 0.1mV
Relative Accuracy	+/- 0.2 mV
Report Format	1. Report of Selected pH and mV Reading with Temperature 2. Calibration report 3. Data Table & Graph

Conductivity Meter

Measuring Range	Auto-Ranging 0.1uS/cm to 199.9mS/cm
Resolution	0.01
Accuracy	0.5%
Report Format	1. Calibration Report 2. Report of Selected Conductivity TDS and Salinity Readings

The highly qualified and long experienced team at PG Instruments Ltd are recognised experts in electrochemistry and relevant technology. They have been developing and manufacturing analytical instruments for science for over a decade and have a worldwide recognised reputation for excellence in their field.



Features & Functions

PG Instruments Series 16 combined pH and Conductivity Meter is the perfect choice for accurate, routine, Research & Development measurements.

- ▶ Reliable High performance
- ▶ Compact bench top system
- ▶ 40 point data memory storage
- ▶ 2 modes – Standard and GLP
- ▶ GLP enables additional sample information
- ▶ Calculates conductivity at 25°C +/- 0.1°C

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