



BENCHTOP pH/CONDUCTIVITY METERS

- ✓ High Accuracy
- ✓ RS-232 Output
- ✓ Recorder Output
- ✓ Easy-to-Use Prompts
- ✓ Large LCD Display

The OMEGA® Model PHB-215, PHB-220 and PHB-225 meters provide top-of-the-line pH, conductivity and ion measurement. If you need a high-end meter for conductivity, ion and pH monitoring, this series has it.

These models provide multiple channel measurements of pH/conductivity or pH/ion. For simultaneous measurement of pH/conductivity or pH/ion, the user can even place two electrodes in the same solution or beaker.

With a few simple keystrokes, you can switch from measuring in microSiemens/cm for conductivity, to ppt for practical or sodium chloride salinity or to ohm-cm for resistivity. To standardize any model, just press the "standardize" function key and the unit will prompt you to enter the value of your known standard.

All three models in this series automatically read the three most significant digits. The PHB-220 has autoranging capability which enables the meter to automatically switch from $\mu\text{S}/\text{cm}$ to mS/cm , or from $\text{M}\Omega\cdot\text{cm}$ to $\text{K}\Omega\cdot\text{cm}$ to $\Omega\cdot\text{cm}$, if desired.

SPECIFICATIONS

Measuring Range:

pH: -2.000 to 20.000
 mV: ± 1800.0 mV
 Temp: -5 to 105°C (23 to 221°F)

*Conductivity:
 0.01 to 3×10^5 $\mu\text{S}/\text{cm}$

*NOTE: depending upon cell constant



Model PHB-220 Shown

PHB-220

\$1305

Basic Model



- *Resistivity:
30 $\Omega\cdot\text{cm}$ to 20 $\text{M}\Omega\cdot\text{cm}$
- *Practical Salinity:
0.01 to 42 ppt
- *NaCl Equivalent Salinity:
0.01 to 70 ppt
- *TDS: 0.005 to 150,000 mg/L
- Ion Concentration: 1×10^{-9} to 9.99×10^9
- Accuracy:**
 pH: ± 0.002
 mV: ± 0.1
 Temp: $\pm 0.2^\circ\text{C}$
 Conductivity: $\pm 0.5\%$ of reading
 Ion Concentration:
 $\pm 0.17\%$ n (n = ion charge)

- Repeatability:**
 pH: ± 0.001
 mV: ± 0.1
 Temp: $\pm 0.1^\circ\text{C}$
- Stability:**
 mV (drift/month) < 0.1 mV/month
- Temperature Compensation:**
 Automatic or manual:
 -5 to 105°C (23 to 221°F)
- Operating Conditions:**
 15 to 40°C (59 to 104°F),
 0 to 90% humidity
- Electrode Connections:**
 BNC connector, reference pin jack,
 ATC jack, and multi-pin conductivity/
 ATC connector

To Order (Specify Model Number)		
Model No.	Price	Description
PHB-215-KIT	\$1075	Benchtop pH meter with power pack, flexible electrode support arm, and glass combination pH/ATC electrode
PHB-215	920	pH meter with power pack only
PHB-220-KIT	1465	Benchtop pH and conductivity meter with power pack, flexible electrode support arm, and pH/ATC glass combination electrode
PHB-220	1305	pH and conductivity meter with power pack only
PHB-225-KIT	1465	Benchtop pH and ion meter with power pack, flexible electrode support arm, and glass combination pH/ATC electrode
PHB-225	1305	pH and ion meter with power pack only

Ordering Example: PHB-215, pH meter with power pack, \$920



UNITED STATES

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CANADA

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

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• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters