

pH FIELD & LAB ELECTRODES

Clear Epoxy-Bodied, Gel-Filled Combination ALpha® Electrodes

BNC
connector
standard.

All models
shown smaller
than actual size.

PHE-4272
flat surface
double
junction, \$114.

PHE-4222
flask size,
\$89.

PHE-4202
double
junction,
\$74.

PHE-4201
Starts at
\$62



PHE-4232
semi-micro,
\$103.

PHE-4201
general-
purpose, \$62.

Certificate of Quality

This electrode has been manufactured to the most stringent quality control standards. It has been shipped in a special soaker/storage bottle to ensure its quality.

Your electrode has been 100% inspected prior to shipment and meets or exceeds all factory performance specifications.



PHH-830, portable
pH/mV/ORP
and temperature
meter with
RS232, \$400,
see page B-20 in
the GREEN BOOK®
section of this
handbook.

- ✓ Five Electrode Styles
- ✓ Covers Entire 0 to 14 pH Range
- ✓ Clear Epoxy Body Construction
- ✓ Fast Responding: 95% in Less than 1 Second
- ✓ Comes with OMEGA Quality Certificate

OMEGA Engineering is pleased to offer a complete line of laboratory pH electrodes. The PHE-4200 Series consists of gel-filled, combination pH electrodes with a unique clear epoxy body design. With five electrode styles to choose from, you're sure to find one suitable for your application.

OMEGA® PHE-4200 Series electrodes offer reliable quality at a reasonable cost. The electrodes measure the entire pH range from 0 to 14 pH units at 0 to 100°C (32 to 212°F) and feature an Ag/AgCl reference and polypropylene liquid junction. Each electrode comes in a soaker storage bottle to keep the electrode moist and ready for use. Shelf life is guaranteed for one year, and the provided OMEGA quality certificate assures that these electrodes meet the most stringent quality control requirements.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description	Length mm (in)	Dia. mm (in)	R (25°C) MΩ
PHE-4201	\$62	General purpose	150 (6)	12 (0.47)	50 to 80
PHE-4202	74	Double junction	150 (6)	12 (0.47)	50 to 80
PHE-4222	89	Flask size	300 (12)	9.5 (0.37)	50 to 80
PHE-4272	114	Flat surface double junction	150 (6)	12 (0.47)	50 to 80
PHE-4232	103	Semi-micro	150 (6)	6 (0.24)	50 to 80

All electrodes come complete with 750 mm (2.5') of cable, BNC connector and operator's manual.

Ordering Examples: PHE-4201, general purpose electrode, \$62.
PHE-4202, double junction electrode, \$74.

Recommended Reference Book: The Physical Chemistry of Natural Waters,
ES-2140, \$200. See Section Y for Additional Books.



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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

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

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• 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