



pH FIELD & LAB INSTRUMENTS

pH/mV Bench Meter



PHE-1411 electrode.

Shown smaller than actual size.

PHB-209 is supplied with combination double-junction refillable pH electrode with 1 m (3.3') cable, 12 Vdc adaptor, and operator's manual.

PHB-209



- ✓ **Oriented for Simplicity**—PHB-209 was Built Around the Idea Of Simplicity with a Large LCD, Easy-to-Operate Knobs, and a pH/Temperature Chart on the Front Panel
- ✓ **User-Friendly Design**
- ✓ **Manual Calibration**—To Illustrate the Calibration Process, Manual Potentiometers Allow the User to Adjust the Offset and Slope Characteristics

The rugged ABS casing with sturdy knobs, and a reference chart for pH and temperature on the front panel make PHB-209 an ideal meter for all users. The keypad has membrane keys for changing the mode and knobs for slope and offset calibration.

The pH offset and slope are manually adjustable in order to display the calibration concept and the electrode characteristics to the students. Measurements can be performed for pH with manual temperature compensation as well as for REDOX (Reduction Oxidation Potential). The selected temperature is displayed to ensure better accuracy. The LCD displays the temperature comprehensively while manually compensating for its effects. Practicality, simplicity and comprehensive operating procedures in addition to an affordable price make this meter one of the most popular, basic pH meters available today. A rugged double-junction refillable pH electrode and 12 Vdc power supply are also included.

Specifications

Range: 0.00 to 14.00 pH; ± 1999 mV

Resolution: 0.01 pH; 1 mV

Accuracy (@68°F/20°C): ± 0.01 pH; ± 0.1 mV

Typical EMC Deviation: ± 0.03 pH; ± 2 mV

pH Calibration: Manual 2 points through offset and slope knobs

Temperature Compensation: Manual from 0 to 100°C (32 to 212°F)

Electrode: Combination double-junction refillable pH electrode BNC with 1 m (3.3') cable (included)

Input Impedance: $10^{12} \Omega$

Power Supply: 110 Vac to 12 Vdc adaptor included

Environment: 0 to 50°C (32 to 122°F); 95% R.H.

Dimensions: 240 L x 182 W x 74 mm D (9.4 x 7.2 x 2.9")

Weight: 1.0 kg (2.2 lb)

To Order

Model No.	Description
PHB-209	pH/mV benchtop meter with pH electrode
PHE-1411	Double junction, plastic body, gel-filled combination pH electrode with 1 m (3.3') cable
ORE-1411	Double junction ORP probe
PHA-77	Third arm electrode holder
PHA-4	4.00 pH buffer solution 500 ml (1 pint) bottle
PHA-7	7.00 pH buffer solution 500 ml (1 pint) bottle
PHA-10	10.00 pH buffer solution 500 ml (1 pint) bottle
PHB-200PS	220 Vac to 12 Vdc adaptor

Comes complete with pH electrode, BNC with 1 m (3.3') cable, 110 Vac to 12 Vdc adaptor and operator's manual.

Ordering Example: PHB-209, pH/mV benchtop meter, PHA-4, 4.00 buffer solution, PHA-7, 7.00 buffer solution.