

## Portable pH Meters



- User-selectable "calibration time out"
- Automatic calibration
- Automatic Temperature Compensation
- Tutorial messages on LCD
- BEPS (Battery Error Prevention System) alerts the user in the event that low battery power could adversely affect readings
- Battery % displayed on startup.

The HI 9124 and HI 9125 are waterproof pH meters. The HI 9125 can utilize ORP (oxidation reduction potential) electrodes.

A large dual-level LCD displays both the pH and temperature along with an operational guide. Graphic symbols are displayed to help the users during the calibration process.

The pH calibration procedure is automatic with five memorized pH buffer values and buffer recognition to simplify the calibration process.

These meters utilize the HI 1230B double junction pH electrode. The double junction helps to minimize junction contamination for accurate, consistent results.

SPECIFICATIONS		HI 9124	HI 9125
Range	pH	-2.00 to 16.00 pH	
	mV	–	±699.9 mV; ±1999 mV
	Temperature	-20.0 to 120.0°C/-4.0°F to 248.0°F	
Resolution	pH	0.01 pH	
	mV	–	0.1 mV; 1 mV
	Temperature	0.1°C/0.1°F	
Accuracy (@20°C/60°F)	pH	±0.01 pH	
	mV	–	±0.2 mV; ±1 mV
	Temperature	±0.4°C/±0.8°F (excluding probe error)	
pH Calibration		automatic, one or two point with five standard buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01)	
Offset Calibration		±1 pH	
Slope Calibration		from 80 to 108%	
Temperature Compensation		automatic or manual, -20.0 to 120.0°C/-4.0 to 248.0°F without temperature probe	
Electrode		HI 1230B PEI body pH electrode with BNC connector and 1 m (3.3') cable (included)	
Temperature Probe		HI 7662 stainless steel temperature probe with 1 m (3.3') cable (included)	
Input Impedance		10 <sup>12</sup> Ohm	
Battery Type / Life		1.5V AAA (3) / approximately 200 hours of continuous use, auto-off after 20 minutes of non-use (can be disabled)	
Environment		0 to 50°C (32 to 122°F); RH max 100%	
Dimensions		185 x 72 x 36 mm (7.3 x 2.8 x 1.4")	
Weight		300 g (10.6 oz.)	

### ORDERING INFORMATION

HI 9124 and HI 9125 are supplied with HI 1230B pH electrode, HI 7662 temperature probe, HI 70004 pH 4.01 buffer solution sachet, HI 70007 pH 7.01 buffer solution sachet, 100 mL plastic beaker, batteries, instructions and hard carrying case.

### ELECTRODES

HI 1230B	PEI body pH electrode with BNC connector and 1 m (3.3') cable
HI 3131B	Glass body ORP electrode with platinum sensor, BNC connector and 1 m (3.3') cable
HI 7662	Stainless steel temperature probe with 1 m (3.3') cable

### SOLUTIONS

HI 5004L	pH 4.01 buffer solution, 500 mL
HI 5007L	pH 7.01 buffer solution, 500 mL
HI 5010L	pH 10.01 buffer solution, 500 mL
HI 70300L	Electrode storage solution, 500 mL
HI 7061L	Electrode cleaning solution, 500 mL