

HI9124 • HI9125

Portable pH/mV Meters

- Automatic Temperature Compensation (ATC)
- Five-Point calibration
- Waterproof casing
- Battery Error Prevention System (BEPS)
 - Automatically shuts off meter when battery is too low to take accurate readings
- Battery life indicator
 - Battery percentage displayed on startup
- Help feature
 - Tutorial messages displayed on LCD

The HI9124 and HI9125 are portable, waterproof pH meters. The HI9125 can utilize ORP (oxidation reduction potential) electrodes and display results in the mV range.

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.

These meters utilize the HI1230B double junction pH electrode. The double junction helps to minimize junction contamination for accurate, consistent results.



| Specifications | | HI9124 | HI9125 |
|---|----------------------------|--|---|
| pH* | Range | -2.00 to 16.00 pH | -2.00 to 16.00 pH |
| | Resolution | 0.01 pH | 0.01 pH |
| | Accuracy | ±0.01 pH | ±0.01 pH |
| | Calibration | one or two-point with five standard buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01) | one or two point-with five standard buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01) |
| | Temperature Compensation | automatic or manual from -20.0 to 120.0°C (-4.0 to 248.0°F) without temperature probe | automatic or manual from -20.0 to 120.0°C (-4.0 to 248.0°F) without temperature probe |
| mV | Range | – | ±699.9 mV; ±1999 mV |
| | Resolution | – | 0.1 mV; 1 mV |
| | Accuracy | – | ±0.2 mV; ±1 mV |
| Temperature* | Range | -20.0 to 120.0°C (-4.0°F to 248.0°F) | -20.0 to 120.0°C (-4.0°F to 248.0°F) |
| | Resolution | 0.1°C (0.1°F) | 0.1°C (0.1°F) |
| | Accuracy | ±0.4°C (±0.8°F) | ±0.4°C (±0.8°F) |
| Additional Specifications Both All Meters | pH Electrode | HI1230B PEI body pH electrode with BNC connector and 1 m (3.3') cable (included) | |
| | Temperature Probe | HI7662 stainless steel temperature probe with 1 m (3.3') cable (included) | |
| | Slope / Offset Calibration | from 80 to 108% / ±1 pH | |
| | Input Impedance | 10 ¹² Ohm | |
| | Battery Type / Life | 1.5V AAA (3) / approximately 200 hours of continuous use. | |
| | Auto-off | auto-off after 20 minutes of non-use (can be disabled) | |
| | Environment | 0 to 50°C (32 to 122°F); RH max 100% | |
| | Dimensions / Weight | 185 x 72 x 36 mm (7.3 x 2.8 x 1.4") / 300 g (10.6 oz.) | |
| Ordering Information | | HI9124 and HI9125 are supplied with HI1230B pH electrode, HI7662 temperature probe, HI70004 pH 4.01 buffer solution sachet, HI70007 pH 7.01 buffer solution sachet, 100 mL plastic beaker, batteries, instructions and hard carrying case. | |

* Limits will be reduced to actual sensor limits