

HI 9025

pH/ORP/Temperature Meter

- **Specialized Electrode**
- **High Accuracy**
- **Fast Response**
- **Automatic Temperature Compensation**

The HI 9025C measures pH, temperature and ion concentration and ORP in the mV range all in a rugged, waterproof casing. The Auto-Instruction feature guides the user step-by-step through the calibration process with graphic symbols. Unlike conventional microprocessor pH meters that offer only the standard pH buffer solutions of 4.01, 7.01 and 10.01 for calibration, these meters also allow calibration at the important NBS (NIST) buffers of 6.86 and 9.18. Because the electrode requires a certain amount of time to stabilize between buffers, the meter will display the READY symbol only when the electrode has stabilized. The powerful HI 9025C will allow 1 or 2-point calibration using any of the 5 memorized buffers.



SPECIFICATIONS	HI 9025
Range	pH: 0.00 to 14.00; mV: ± 399.9 to ± 1999 ; Temperature: 0.0 to 100.0°C/32.0 to 212.0°F
Resolution	pH: 0.01; mV: 0.1, 1; Temperature: 0.1°C/0.1°F
Accuracy (@20°C/68°F)	pH: ± 0.01 ; mV: ± 0.2 , ± 1 ; Temperature: $\pm 0.4^\circ\text{C}/\pm 0.8^\circ\text{F}$
pH Calibration	Automatic, 1 or 2 point with 5 memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01); offset calibration: ± 1 pH; slope calibration: 70 to 108%
Temp. Compensation	Automatic or manual, -5 to 105°C (23°F to 221°F)
pH Electrode	HI 1230B, double junction, PEI body, gel filled, BNC connector and 1 m cable (included)
Temperature Probe	HI 7669/2W with 1 m (3.3') cable (included)
Input Impedance	10^{12} Ohm
Battery Type/Life	(4) 1.5V AA / approx. 500 hours of continuous use; auto-off after 20 minutes of non-use (can be disabled)
Environment	0 to 50°C (32 to 122°F); 100% RH
Dimensions	196 x 80 x 60 mm (7.7 x 3.1 x 2.4")
Weight	500 g (1.1 lb.)

ORDERING INFORMATION

HI 9025 is supplied complete with HI 1230B pH electrode, HI 7669/2W temperature probe, pH 4 and pH 7 buffer sachets, 100 mL plastic beaker, batteries, rugged carrying case and instructions.

ACCESSORIES

- HI 1230B** pH electrode, gel filled, PEI body, BNC, 1 m cable
- HI 3230B** ORP electrode, gel filled, PEI body, BNC, 1 m cable
- HI 7669/2W** Temperature probe
- HI 76405** Electrode holder
- HI 7004L** pH 4.01 buffer solution, 500 mL
- HI 7006L** pH 6.86 buffer solution, 500 mL
- HI 7007L** pH 7.01 buffer solution, 500 mL
- HI 7009L** pH 9.18 buffer solution, 500 mL
- HI 7010L** pH 10.01 buffer solution, 500 mL
- HI 70300L** Electrode storage solution, 500 mL

SPECIFICATIONS	HI 8424NEW
Range	pH: -2.00 to 16.00; mV: ± 699.9 to ± 1999 ; Temperature: -10.0 to 120.0°C/-4.0 to 248.0°F
Resolution	pH: 0.01; mV: 0.1, 1; Temperature: 0.1°C/0.1°F
Accuracy	pH: ± 0.01 ; mV ± 0.2 , ± 1 ; Temperature: $\pm 0.4^\circ\text{C}/\pm 0.8^\circ\text{F}$
pH Calibration	Automatic, 1 or 2 point with 3 memorized buffer values (pH 4.01, 7.01, 10.01); offset calibration: ± 1 pH; slope calibration: 75 to 110%
Temp. Compensation	Automatic -20 to 120°C (-4°F to 248°F) or manual
pH Electrode	HI 1230B, double junction, PEI body, gel filled, BNC connector and 1 m cable (included)
Temperature Probe	HI 7669 with 1 m (3.3') cable (included)
Input Impedance	10^{12} Ohm
Battery Life	(1) 9V/approx. 150 hours of continuous use; auto-off after 20 minutes of non-use (can be disabled)
Environment	0 to 50°C (32 to 122°F); 100% RH
Dimensions	164 x 76 x 45 mm (6.5 x 3.0 x 1.8")
Weight	180 g (6.3 oz.)

ORDERING INFORMATION

HI 8424NEW is supplied with HI 1230B pH electrode, HI 7662 temperature probe, calibration and cleaning solutions, battery, protective case and instructions.

ACCESSORIES

- HI 1230B** pH electrode, gel filled, PEI body, BNC connector
- HI 1332B** ORP electrode, gel filled, PEI body, BNC connector
- HI 7662** Temperature probe
- HI 76405** Electrode holder
- HI 7004L** pH 4.01 buffer solution, 500 mL
- HI 7007L** pH 7.01 buffer solution, 500 mL
- HI 7010L** pH 10.01 buffer solution, 500 mL
- HI 70300L** Electrode storage sol, 500 mL
- HI 710015** Shockproof rubber boot, blue
- HI 710016** Shockproof rubber boot, orange
- HI 710022** Spare protective case

HI 8424NEW

pH/mV/°C Meter with ATC and Automatic Calibration

- **Extended mV range for ORP**
- **Push button calibration**
- **Enhanced version of one of our most popular meters!**

The HI 8424NEW portable pH meter is one of the most popular pH meters on the market.

With the HOLD function, readings can be frozen on the display to be logged manually. Also, temperature can be displayed in °C or °F and users can enable or disable the Auto-off feature, the acoustic signal and the back-lit display. In addition, HI 8424NEW indicates on the display the buffer values used for the last calibration.

