



element14

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[HI-8424N](#)

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## HI 8424

### Portable pH/ORP Meter with ATC and HOLD feature

- Automatic calibration
- Automatic Temperature Compensation
- Automatic buffer recognition
- Three standard buffer values
- Calibration tags on LCD
- Low battery indicator
- Auto shut-off
- HOLD function
- °C and °F measurements



HI 8424 is one of the most popular pH meters on the market. This instrument is able to perform pH, ORP and temperature measurements with a high degree of accuracy and fast response.

Calibration is automatic at one or two points with three memorized buffer values (pH 4.01, pH 7.01 and pH 10.01). Once the instrument has been calibrated, the buffer values used during calibration are displayed with tags on the LCD. This feature keeps users informed of the current calibration and helps to avoid taking measurements that are out of range.

Exchange the pH probe for an ORP probe to obtain ORP readings in the mV range.

#### Order Information:

HI 8424 is 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, HI 700661 electrode cleaning solution sachets (2), battery, protective case and instructions.

#### Specifications

Range	pH	-2.00 to 16.00 pH
	ORP	±699.9 mV; ±1999 mV
	Temperature	-20.0 to 120.0°C / -4.0 to 248.0°F
Resolution	pH	0.01 pH
	ORP	0.1 mV; 1 mV
	Temperature	0.1°C / 0.1°F
Accuracy	pH	±0.01 pH
	ORP	±0.2 mV; ±1 mV
	Temperature	±0.4°C / ±0.8°F
Calibration	pH	automatic, 1 or 2 point with 3 memorized buffer values (4.01, 7.01, 10.01)
	Offset	±1 pH
	Slope	75 to 110%

Input Impedance	10 <sup>12</sup> Ohm
Temperature Compensation	Automatic, -20 to 120°C (-4 to 248°F) or manual without temperature probe
pH Electrode	HI 1230B PEI body pH electrode with BNC connector and 1 m (3.3') cable (included)
Temperature Probe	HI 7662 stainless steel temperatures probe with 1 m cable (included)
Battery Type / Life	9V / approximately 150 hours of continuous use; auto-off after 20 minutes of non-use or disabled (user-selectable)
Environment	0 to 50°C (32 to 122°F); RH max 100%
Dimensions	164 x 76 x 45 mm (6.5 x 3.0 x 1.8")
Weight	180 g (6.3 oz.)



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