

HI8424

General Purpose pH/mV Meter



- Automatic Temperature Compensation (ATC)
- Waterproof
 - Compact, heavy-duty, and waterproof protected casing
- Two-point calibration
 - Easy manual one or two-point calibration
- Hold
 - HOLD function
- Battery indicator
 - Low battery indicator

The HI8424 is a highly accurate, portable pH/mV meter. It is one of the most popular pH meters on the market. This instrument is able to perform pH, mV 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.

Users can exchange the pH probe for an ORP probe to obtain ORP readings in the mV range. The HI8424 also offers measurements in °C and °F and has an auto-off feature to preserve battery life.

Specifications

HI8424

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|---------------------------|---|---|
| pH* | Range | -2.00 to 16.00 pH |
| | Resolution | 0.01 pH |
| | Accuracy | ±0.01 pH |
| | Calibration | one or two-point, three standard buffers available (4.01, 7.01, 10.01) |
| | Temperature Compensation | automatic from -20.0 to 120.0°C (-4.0 to 248.0°F) or manual 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 to 248.0°F |
| | Resolution | 0.1°C; 0.1°F |
| | Accuracy | ±0.4°C; ±0.8°F |
| Additional Specifications | pH Electrode | HI1230B PEI body pH electrode with BNC connector and 1 m (3.3') cable (included) |
| | Temperature Probe | HI7662 stainless steel temperatures probe with 1 m (3.3') cable (included) |
| | Slope / Offset Calibration | from 75 to 110% / ±1 pH |
| | Input Impedance | 10 ¹² Ohm |
| | Battery Type / Life | 9V / approximately 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); RH max 100% |
| | Dimensions / Weight | 164 x 76 x 45 mm (6.5 x 3.0 x 1.8") / 180 g (6.3 oz.) |
| Ordering Information | HI8424 is supplied with HI1230B pH electrode, HI7662 temperature probe, HI70004 pH 4.01 buffer solution sachet, HI70007 pH 7.01 buffer solution sachet, HI700601 electrode cleaning solution sachets (2), battery, protective case and instructions. | |

* Limits will be reduced to actual sensor limits