HI8010 · HI8014

# Educational pH Meters

- Automatic Temperature Compensation (ATC)
- Two-point calibration

Hanna Instruments manufactures meters for all levels of use, from education to research grade. HI8010 and HI8014 are rugged, handheld pH meters specifically designed with ease of use in mind. These affordable meters are ideal for education and field applications.

HI8010 and HI8014 perform pH measurements with manual temperature compensation. HI8014 also performs ORP measurements using the mV range and optional ORP electrode (HI3131B).

Two-point calibration can be performed with trimmers on the front panel. Temperature is manually compensated by using the trimmer.

These rugged, manual pH meters are perfect for teaching students the fundamentals of pH measurement.

| Specifications | | HI8010 | HI8014 |
|---|---|---|---|
| pH* | Range | 0.00 to 14.00 pH | 0.00 to 14.00 pH |
| | Resolution | 0.01 pH | 0.01 pH |
| | Accuracy | ±0.01pH | ±0.01pH |
| | Calibration | manual, two point, through trimmers (offset ±1 pH; slope: 85 to 105%) | manual, two point, through trimmers (offset ±1 pH; slope: 85 to 105%) |
| | Temperature Compensation | manual from 0 to 100°C (32 to 212°F) | manual from 0 to 100°C (32 to 212°F) |
| mV | Range | – | ±1999 mV |
| | Resolution | – | 1 mV |
| | Accuracy | – | ±1 mV |
| Additional Specifications | pH Electrode | HI1230B PEI body pH electrode with BNC connector and 1 m (3.3') cable (included) | |
| | Slope/Offset Calibration | from 80 to 105%/±1 pH | |
| | Input Impedance | $10^{12}$ Ohm | |
| | Battery Type / Life | 9V / approximately 100 hours of continuous use | |
| | Environment | 0 to 50°C (32 to 122°F); RH max 95% | |
| | Dimensions / Weight | 185 x 82 x 53 mm (7.3 x 3.2 x 2.1") / 265 g (9.3 oz.) | |
| Ordering Information | **HI8010** and **HI8014** are supplied with HI1230B pH electrode, calibration screwdriver, battery and instructions. | | |

* Limits will be reduced to actual sensor limits

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