

Bench pH Meters with GLP and 3-point pH Calibration



Specifications

| | HI 250 | HI 251 |
|--------------------------|--|--|
| Range | pH | -2.0 to 16.0 pH; -2.00 to 16.00 pH |
| | mV | ±699.9 mV; ±2000 mV |
| Temperature | | -9.9 to 120.0°C |
| Resolution | pH | 0.1 pH; 0.01 pH |
| | mV | 0.1 mV (±699.9 mV); 1 mV (±2000 mV) |
| Temperature | | 0.1°C |
| Accuracy (@20°C) | pH | ±0.1 pH; ±0.01 pH |
| | mV | ±0.2 mV (±699.9 mV); ±1 mV (±2000 mV) |
| Temperature | | ±0.4°C |
| Relative mV Offset | | ± 2000 mV |
| pH Calibration | automatic, 1, 2 or 3 point with 5 memorized values (pH 4.01, 6.86, 7.01, 9.18, 10.01) | |
| Temperature Compensation | automatic (with HI 7669/2W probe) or manual from -9.9 to 120°C | |
| pH Electrode | HI 1131B, glass-body, double junction, refillable, BNC connector, 1 m cable (included) | |
| Temperature Probe | HI 7669/2W with 1 m (3.3') cable (included) | |
| Input Impedance | 10 ¹² Ohm | |
| PC Connection | RS232 opto-isolated serial port | |
| Power Supply | 12 Vdc adapter (included) | |
| Environment | 0 to 50°C (32 to 122°F); RH max 95% | |
| Dimensions / Weight | 240 x 182 x 74 mm (9.4 x 7.2 x 2.9") / 1.1 kg (2.4 lb.) | |

Accessories

| | | | |
|------------|--|-----------|--|
| HI 1131B | Refillable pH electrode with BNC connector | HI 77400P | pH 4 and pH 7 buffer sachets, 20 mL, 5 pcs. each |
| HI 7669/2W | Temperature probe | HI 70300L | Electrode storage solution, 500 mL bottle |
| HI 76404 | Electrode holder | HI 710005 | 115 Vac/12 Vdc power adapter |
| HI 7004L | pH 4.01 buffer solution, 500 mL bottle | HI 710006 | 230 Vac/12 Vdc power adapter |
| HI 7007L | pH 7.01 buffer solution, 500 mL bottle | HI 92000 | Windows® compatible software |
| HI 7010L | pH 10.01 buffer solution, 500 mL bottle | HI 920010 | Serial cable for PC connection |

HI 250 and HI 251 are the next generation of pH meters that combine high technology and affordability with advanced new features. In fact, both instruments can measure pH with centesimal resolution and temperature compensation is automatic.

Calibration is possible in 1, 2 or 3 points for higher measurement precision, and both have GLP features to display last calibration data at any time. They are also provided with an internal non volatile memory that can record up to 50 data sets, that can be downloaded to a PC.

HI 251 performs ORP measurements and displays pH measurements in the mV relative range.

The mV relative range is a new feature: the user can set any point to 0 mV to verify how much a reading differs from the starting point. This measurement range has been named "Relative mV Range" because the displayed values refer to a new zero point.

Both models are supplied complete with HI 1131B glass-body pH electrode with BNC connector for general purpose and HI 7669/2W temperature probe.

Ordering Information

HI 250 and HI 251 are supplied complete with HI 1131B pH electrode, HI 7669/2W temperature probe, pH 4 and pH 7 buffer sachets (20 mL each), electrode refilling solution, electrode holder, 12 Vdc power adapter and instructions.