

## Bench pH Meters with GLP and 3-point pH Calibration



### Specifications

	HI 250	HI 251
Range	pH mV	-2.0 to 16.0 pH; -2.00 to 16.00 pH ±699.9 mV; ±2000 mV
	Temperature	-9.9 to 120.0°C
Resolution	pH mV	0.1 pH; 0.01 pH 0.1 mV (±699.9 mV); 1 mV (±2000 mV)
	Temperature	0.1°C
Accuracy (@20°C)	pH mV	±0.1 pH; ±0.01 pH ±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 <sup>12</sup> 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.