

Bench pH Meters with GLP and up to 5-point pH Calibration

These new pH/ORP bench meters are ideal for very accurate and precise measurements for all laboratory needs.

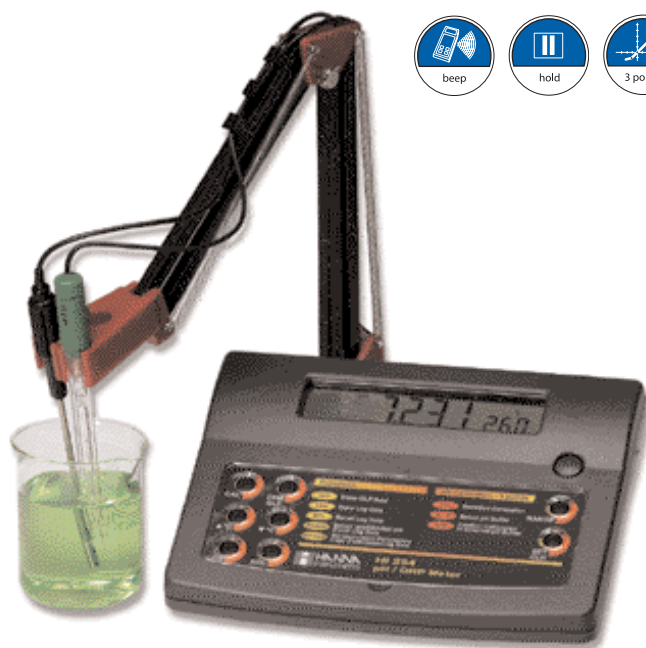
HI 253 can perform ion-selective measurements directly in ppm, as well as pH, ORP and temperature measurements.

pH calibration with **HI 254** can also be performed in 5 points selectable between 7 memorized buffers, to provide a very accurate calibration curve even when testing difficult samples, where very wide differences in pH can be found.

Thanks to a non volatile memory, both meters can store up to 50 data sets, that can be downloaded to a PC.

These instruments also have GLP features so, at any time, the user can recall the calibration data.

HI 253 and **HI 254** are supplied with pH electrode, temperature probe for automatic compensation for pH measurements and ready-to-use calibration solutions.



Specifications

	HI 253	HI 254
Range	pH mV Selective Ions Temperature	-2.0 to 16.0 pH; -2.00 to 16.00 pH; -2.000 to 16.000 pH ± 699.9 mV; ± 2000 mV 0.001 to 19999 ppm -9.9 to 120.0°C
Resolution	pH mV Selective Ions Temperature	0.1 pH; ± 0.01 pH; 0.001 pH 0.1 mV (± 699.9 mV); 1 mV (± 2000 mV) 0.001 (0.001 to 9.999) ppm 0.01 (10 to 99.99) ppm 0.1 (100 to 999.9) ppm 1 (1000 to 19999) ppm 0.1°C
Accuracy (@20°C)	pH mV Selective Ions Temperature	± 0.1 pH; ± 0.01 pH; ± 0.002 pH ± 0.2 mV (± 699.9 mV); ± 1 mV (± 2000 mV) ± 0.5% ± 0.4°C
Relative mV Offset		± 2000 mV
pH Calibration		automatic, 1, 2 or 3 point with 5 memorized buffers (pH 4.01, 6.86, 7.01, 9.18, 10.01) automatic, 1, 2, 3, 4 or 5 point with 7 memorized buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45)
ISE Calibration		automatic, 1 or 2 point (0.1, 1, 10, 100, 1000 ppm) —
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

Ordering Information

HI 253 and **HI 254** 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.