

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.

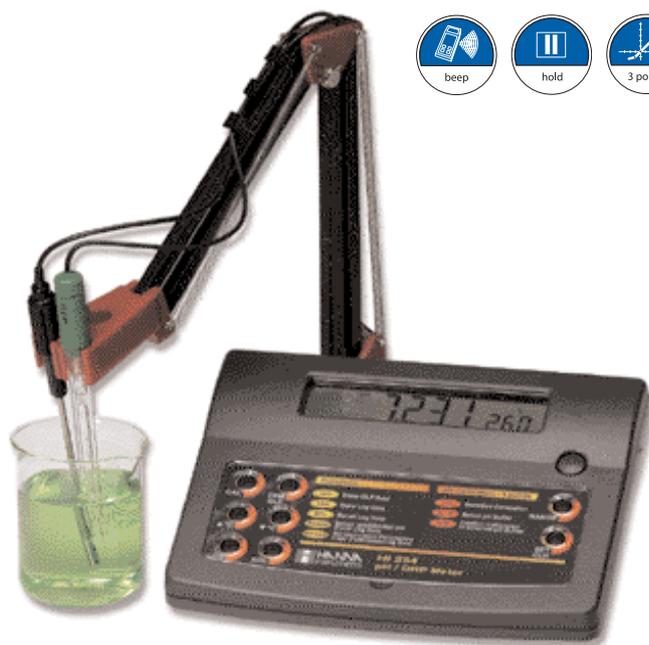
HI 253 can perform ion-selective measurements directly in ppm, as well as pH, ORP and temperature measurements.

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.