

## 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.

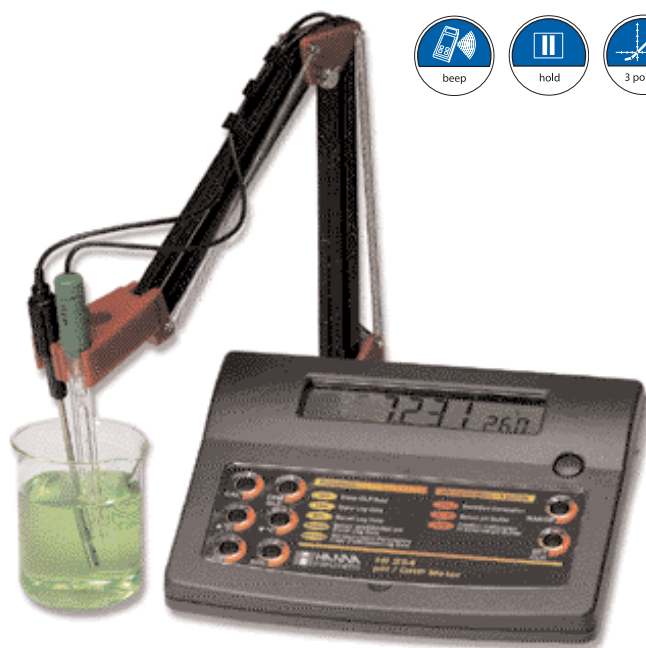
**HI 253** can perform ion-selective measurements directly in ppm, as well as pH, ORP and temperature measurements.

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

	<b>HI 253</b>	<b>HI 254</b>
<b>Range</b>	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 — -9.9 to 120.0°C
<b>Resolution</b>	pH mV Selective Ions Temperature	0.1 pH; ± 0.01 pH; 0.001 pH 0.1 mV (± 699.9 mV); 1 mV (± 2000 mV) — 0.1°C
<b>Accuracy (@20°C)</b>	pH mV Selective Ions Temperature	± 0.1 pH; ± 0.01 pH; ± 0.002 pH ± 0.2 mV (± 699.9 mV); ± 1 mV (± 2000 mV) — ± 0.4°C
<b>Relative mV Offset</b>		± 2000 mV
<b>pH Calibration</b>		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)
<b>ISE Calibration</b>		automatic, 1 or 2 point (0.1, 1, 10, 100, 1000 ppm) / —
<b>Temperature Compensation</b>		automatic (with HI 7669/2W probe) or manual from -9.9 to 120°C
<b>pH Electrode</b>		HI 1131B, glass-body, double junction, refillable, BNC connector, 1 m cable (included)
<b>Temperature Probe</b>		HI 7669/2W with 1 m (3.3') cable (included)
<b>Input Impedance</b>		10 <sup>12</sup> Ohm
<b>PC Connection</b>		RS232 opto-isolated serial port
<b>Power Supply</b>		12 Vdc adapter (included)
<b>Environment</b>		0 to 50°C (32 to 122°F); RH max 95%
<b>Dimensions / Weight</b>		240 x 182 x 74 mm (9.4 x 7.2 x 2.9") / 1.1 kg (2.4 lb.)

### Accessories

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