



## Bench pH Meters with 0.001 pH Resolution and PC Connection



With a resolution selectable between 0.01 and 0.001 over the -2 to 16 pH range, **pH 212** and **pH 213** are designed for those users that require added accuracy.

The pH and temperature are displayed simultaneously and all pH measurements are automatically compensated for the effects of temperature.

**pH 213** also measures mV range when used with ORP electrodes.

The large horizontal display shows both pH (or mV) and temperature.

Calibration can be at one or two points aided by automatic buffer recognition at pH 4.01, 6.86, 7.01, 9.18 and 10.01.

A stability indicator ensures proper calibration and accurate measurements.

Any particular measurement can be stored and recalled at a later time.

The front label carries clear and concise information about how to operate the meter.

**pH 212** and **pH 213** are supplied complete and ready-to-use with a laboratory-grade glass pH electrode, stainless steel temperature probe, electrode holder, 12 Vdc power adapter and calibration buffers.

Both meters are also supplied with an opto-isolated RS232 port for PC connection.

### Specifications

		<b>pH 212</b>	<b>pH 213</b>
Range	pH	-2.00 to 16.00; -2.000 to 16.000	
	mV	—	-999.9 to +2000 mV
Resolution	pH	0.01 pH; 0.001 pH	
	mV	—	0.1 mV; 1 mV
Accuracy (@20°C)	pH	±0.01 pH; ±0.002 pH	
	mV	—	±0.5 mV; ±1 mV
	Temperature	±0.4°C	
pH Calibration		automatic, 1 or 2 point with 5 memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01)	
Temperature Compensation		automatic (with <b>HI 7669/2W</b> probe) or manual from -9.9 to 120°C	
pH Electrode		<b>HI 1131B</b> , glass-body, double junction, refillable, BNC connector, 1 m cable (included)	
Temperature Probe		<b>HI 7669/2W</b> 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		240 x 182 x 74 mm (9.4 x 7.2 x 2.9")	
Weight		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 6004</b>	pH 4.010 buffer solution, 500 mL bottle	<b>HI 710006</b>	230 Vac/12 Vdc power adapter
<b>HI 6007</b>	pH 7.010 buffer solution, 500 mL bottle	<b>HI 92000</b>	Windows® compatible software
<b>HI 6010</b>	pH 10.010 buffer solution, 500 mL bottle	<b>HI 920010</b>	Serial cable for PC connection

### Ordering Information

**pH 212** and **pH 213** 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.

For a complete range of calibration, cleaning and maintenance solutions, see section F. For pH and ORP electrodes, see section E. For accessories, see section U.