



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

		pH 212	pH 213
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 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		240 x 182 x 74 mm (9.4 x 7.2 x 2.9")	
Weight		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 6004	pH 4.010 buffer solution, 500 mL bottle	HI 710006	230 Vac/12 Vdc power adapter
HI 6007	pH 7.010 buffer solution, 500 mL bottle	HI 92000	Windows® compatible software
HI 6010	pH 10.010 buffer solution, 500 mL bottle	HI 920010	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.