

# Basic pH Benchtop Meters



- Simple to operate
- Automatic Temperature Compensation
- Automatic calibration
- Calibration expiration reminder
- ORP range

HI 2211 and HI 2210 are benchtop pH and °C meters. HI 2211 adds measurement for ion concentration (ISE) and Oxidation Reduction Potential (ORP) in the mV range.

These instruments also feature a reading stability indicator used during calibration and a measurement memory/memory recall function.

pH measurements for both instruments are compensated for the temperature effect manually or automatically with the HI 7662 temperature probe. These instruments are equipped with an easy-to-read LCD which shows both the primary reading and °C.

## ORDERING INFORMATION

HI 2210-01 (115V), HI 2210-02 (230V), HI 2210-03 (AUS plug), HI 2211-01 (115V) and HI 2211-02 (230V) are supplied with HI 1131B pH electrode, HI 7662 temperature probe, HI 76404N electrode holder, HI 70004 pH 4.01 buffer solution sachet, HI 70007 pH 7.01 buffer solution sachet, HI 7071S electrolyte solution (30 mL), HI 700661 cleaning solution sachet, 12 VDC adapter and instructions.

## ELECTRODES

<b>HI 1043B</b>	Use: strong acids and bases. glass body, double junction, refillable
<b>HI 1053B</b>	Use: emulsions. glass-body, triple ceramic junction, refillable
<b>HI 1083B</b>	Use: biotechnology. glass-body, open junction, refillable
<b>HI 1131B</b>	Use: general purpose. glass-body, ceramic junction, refillable
<b>HI 1332B</b>	Use: general purpose. PEI body, double junction, refillable
<b>HI 7662</b>	Stainless steel temperature probe with 1 m (3.3') cable

## SOLUTIONS

<b>HI 5004L</b>	pH 4.01 buffer solution, 500 mL
<b>HI 5007L</b>	pH 7.01 buffer solution, 500 mL
<b>HI 5010L</b>	pH 10.01 buffer solution, 500 mL
<b>HI 7061L</b>	Electrode cleaning solution, 500 mL
<b>HI 70300L</b>	Electrode storage solution, 500 mL

## ACCESSORIES

<b>HI 8427</b>	pH/mV electrode simulator
<b>HI 931001</b>	pH/mV electrode simulator with display
<b>HI 76404N</b>	Electrode holder

SPECIFICATIONS	HI 2210	HI 2211	
Range	pH	-2.00 to 16.00 pH	
	mV	-	±399.9 mV ; ±2000 mV
	Temperature	-20 to 120.0°C	
Resolution	pH	0.01 pH	
	mV	-	0.1 mV; 1 mV
	Temperature	0.1°C	
Accuracy (@20°C)	pH	±0.01 pH	
	mV	-	±0.2 mV (±399.9 mV); ±1 mV (±2000 mV)
	Temperature	±0.4 °C (excluding probe error)	
pH Calibration	automatic, one or two points with five memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01)		
Temperature Compensation	automatic (with HI 7662 probe) or manual from -20.0 to 120.0°C		
pH Electrode	HI 1131B glass body pH electrode with BNC connector and 1 m (3.3') cable (included)		
Temperature Probe	HI 7662 stainless steel temperature probe with 1 m (3.3') cable (included)		
Input Impedance	10 <sup>12</sup> Ohm		
Power Supply	12 VDC adapter (included)		
Environment	0 to 50°C (32 to 122°F); RH max 95%		
Dimensions	235 x 222 x 109 mm (9.2 x 8.7 x 4.3")		
Weight	1.3 kg (2.9 lbs.)		

For a complete list of Solutions and Electrodes, see the end of this section.