

Stick pH and Temperature Meter



HI 9214 is a compact, stick-type, microprocessor-based pH meter designed to be easily carried anywhere it is necessary to measure pH and temperature instantly.

The HI 12170 pH electrode has a built-in temperature sensor that measures and displays temperature.

HI 9214 also performs Automatic Temperature Compensation.

The meter has 2 sets of memorized buffers (pH 4.01, 7.01, 10.01 or 4.01, 6.86, 9.18) and automatic buffer recognition to avoid errors during calibration.

The electrode screws directly into the meter's housing without requiring cables or separate temperature probes. The Ultem® body pH electrode is rugged and will stand up to the effects of most chemicals in the lab and industry.



Specifications

		HI 9214
Range	pH	-2.00 to 16.00
	Temperature	-5.0 to 70.0°C
Resolution	pH	0.01 pH
	Temperature	0.1°C
Accuracy (@20°C)	pH	±0.02 pH
	Temperature	±0.5°C
pH Calibration		automatic, 1 or 2 point with 3 memorized standard buffer values (pH 7.01/4.01/10.01)
Temperature Compensation		automatic, -5 to 70°C (23 to 158°F)
pH Electrode		HI 12170, plastic body, gel filled, with internal temperature sensor and screw connector (included)
Input Impedance		10 ¹² Ohm
Battery Type / Life		1 x 9V / approx. 700 hours of continuous use; auto-off after 8 minutes of non-use
Environment		0 to 50°C (32 to 122°F); RH max 95%
Dimensions / Weight		185 x 42 x 26 mm (7.3 x 1.7 x 1.0") / 160 g (5.6 oz.)

Ordering Information

HI 9214 is supplied complete with HI 12170 pH electrode, battery, soft carrying case and instructions.

Accessories

HI 12170	pH electrode with screw connector for HI 9214	HI 77400P	pH 4 and pH 7 buffer solution, 20 mL sachet, 5 pcs. each
HI 7004L	pH 4.01 buffer solution, 500 mL bottle	HI 70300L	Electrode storage solution, 500 mL bottle
HI 7007L	pH 7.01 buffer solution, 500 mL bottle	HI 710003	Soft carrying case
HI 7010L	pH 10.01 buffer solution, 500 mL bottle		

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