

Portable pH Meters for Education



HI 8010 and HI 8014 are rugged, hand-held pH meters specifically designed with ease of use in mind. These affordable meters are ideal for education and field applications.

HI 8010 and HI 8014 perform pH measurements with manual temperature compensation. HI 8014 also performs ORP measurements.

Users can easily select between the different measurement modes: pH, ORP or temperature compensation, depending on the model.

2-point calibration can be performed with trimmers on the front panel. The set values are stored even when the meter is shut off.

Specifications

	HI 8010	HI 8014
Range	pH mV	0.00 to 14.00 pH -1999 to +1999 mV
Resolution	pH mV	0.01 pH 1 mV
Accuracy (@20°C)	pH mV	±0.01pH ±1 mV
pH Calibration	manual, 2 point, through trimmers (offset ±1 pH; slope: 85 to 105%)	
Temperature Compensation	manual, 0 to 100°C (32 to 212°F)	
pH Electrode	HI 1230B, combination, double junction, BNC connector, 1 m cable (included)	
Input Impedance	10 ¹² Ohm	
Battery Type / Life	1 x 9V / approx. 100 hours of continuous use	
Environment	0 to 50°C (32 to 122°F); RH max 95%	
Dimensions / Weight	185 x 82 x 53 mm (7.3 x 3.2 x 2.1") / 265 g (9.3 oz.)	

Accessories

HI 1230B	pH electrode, gel filled, Ultem® body, BNC connector	HI 70300L	Electrode storage solution, 500 mL bottle
HI 3230B	ORPelectrode, gel filled, BNC connector, 1 m cable	HI 7082	Refilling electrolyte solution 3.5M KCl, 30 mL bottle, 4 pcs.
HI 76405	Electrode holder	HI 8427	pH/mV electrode simulator
HI 7004L	pH 4.01 buffer solution, 500 mL bottle	HI 931001	pH/mV electrode simulator with display
HI 7007L	pH 7.01 buffer solution, 500 mL bottle	HI 710009	Shockproof rubber boot, blue
HI 7010L	pH 10.01 buffer solution, 500 mL bottle	HI 710010	Shockproof rubber boot, orange
HI 77400P	pH 4 and pH 7 buffer sachets, 20 mL, 5 pcs. each	HI 710001	Soft carrying case
		HI 721311	Rugged carrying case

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.

Ordering Information

HI 8010 is supplied complete with HI 1230B pH electrode, battery and instructions.

HI 8014 is supplied complete with HI 1230B pH electrode, battery and instructions.