

Analog pH/ORP Meter



- Pre-amplified pH electrode
- Easy manual one or two point calibration
- Automatic Temperature Compensation
- Low battery indicator

HI 8314 is a handheld pH/mV/°C meter designed to be reliable and easy-to-use.

HI 8314 uses the HI 1217D pre-amplified pH electrode and internal temperature sensor.

Manual calibration is performed at one or two points by adjusting the trimmers on the front panel. This instrument is ideal for applications that require a custom calibration point. Manual calibration can be extremely useful in order to achieve better accuracy.

SPECIFICATIONS		HI 8314
Range	pH	0.00 to 14.00 pH
	mV	±1999 mV
	Temperature	0.0 to 100.0°C
Resolution	pH	0.01 pH
	mV	1 mV
	Temperature	0.1°C
Accuracy (@20°C)	pH	±0.01 pH
	mV	±1 mV
	Temperature	±0.4°C (excluding probe error)
pH Calibration	manual, two point, through trimmers (offset ±1 pH; slope: 80 to 110%)	
Temperature Compensation	automatic, 0 to 70°C (32 to 158 °F)	
pH Electrode	HI 1217D PEI body, pre-amplified pH electrode with internal temperature sensor, DIN connector and 1 m cable (included)	
Input Impedance	10 ¹² Ohm	
Battery Type / Life	9V / approximately 100 hours of continuous use	
Environment	0 to 50°C (32 to 122°F); RH max 100%	
Dimensions	145 x 80 x 36 mm (5.7 x 3.1 x 1.4")	
Weight	230 g (8.1 oz.)	

ORDERING INFORMATION

HI 8314 is supplied with HI 1217D pH electrode, HI 70004 pH 4.01 buffer solution sachet, HI 70007 pH 7.01 buffer solution sachet, HI 700661 electrode cleaning solution sachets (2), calibration screwdriver, battery, protective case and instructions.

ELECTRODES

- HI 1217D** PEI body, preamplified pH electrode with internal temperature sensor, DIN connector and 1 m (3.3') cable
- HI 3618D** Glass body, preamplified ORP electrode with platinum sensor, internal temperature sensor and BNC connector with 1 m (3.3') cable

SOLUTIONS

- HI 7004L** pH 4.01 buffer solution, 500 mL
- HI 7007L** pH 7.01 buffer solution, 500 mL
- HI 7010L** pH 10.01 buffer solution, 500 mL
- HI 7061L** Electrode cleaning solution, 500 mL
- HI 70300L** Electrode storage solution, 500 mL

ACCESSORIES

- HI 710015** Shockproof rubber boot, blue
- HI 710016** Shockproof rubber boot, orange

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