

Waterproof pH Meter with Auto Endpoint Function

The portable HI 98160 features our new Auto Endpoint feature, that, when selected, will automatically enter the HOLD mode, when the reading is stable. This feature will greatly simplify the process of recording measurements.

With HI 98160, automatic calibration can be performed at 1 or 2 points with 8 memorized buffers to assure reliable readings over the entire measurement range.

HI 98160 has a backlit display to make clear readings in dark environments.

By simply pressing one button, the user can store any information concerning each reading. More than 500 measurements, complete with date and time, can be stored and recalled, or transferred to the computer. The connection is established through an RS232 serial port, using the HI 92000 Windows® compatible software (optional).



Specifications

HI 98160		
Range	pH	-4.00 to 19.99 pH
	mV	±600.0 mV; ±2000 mV
	Temperature	-20.0 to 120.0°C
Resolution	pH	0.01 pH
	mV	0.1 mV (±400 mV); 0.2 mV (±400 to ±600 mV); 1 mV (outside)
	Temperature	0.1°C (-10 to 120°C); 1°C (<-10°C)
Accuracy (@20°C)	pH	±0.01 pH
	mV	±0.2 mV (±400 mV); ±0.4 mV (±400 to ±600); ±2 mV (outside)
	Temperature	±0.2°C (0 to 70°C); ±1°C (outside)
pH Calibration	automatic, 1 or 2 point with 8 memorized buffer values (pH 1.68, 3.00, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45)	
mV Calibration	automatic, 2 point at 0, 350 mV or 3 point at 0, 350, 1900 mV	
Temperature Compensation	automatic or manual, -20 to 120°C (-4 to 248°F)	
pH Electrode	HI 1230B/C double junction, BNC connector with protective sleeve (included)	
Temperature Probe	HI 7662 (included)	
PC Connection	through RS232 serial port, using HI 920011 connection cable	
Input Impedance	10 ¹² Ohm	
Battery Type / Life	4 x 1.5V AA / approx. 300 hours of continuous use (with backlight off)	
Environment	0 to 50°C (32 to 122°F); RH max 100%	
Dimensions / Weight	196 x 80 x 60 mm (7.7 x 3.1 x 2.4") / 500 g (1.1 lb.)	

Accessories

HI 1230B/C	pH electrode, BNC connector with protective sleeve	HI 7061L	Cleaning solution for general use, 500 mL bottle
HI 3131B	ORP electrode with platinum sensor and BNC connector	HI 7073L	Protein cleaning solution, 500 mL bottle
HI 7662	Temperature probe	HI 7074L	Cleaning solution for inorganic substances, 500 mL bottle
HI 7004L	pH 4.01 buffer solution, 500 mL bottle	HI 7077L	Cleaning solution for oil and fat, 500 mL bottle
HI 7007L	pH 7.01 buffer solution, 500 mL bottle	HI 92000	Windows® compatible software
HI 7010L	pH 10.01 buffer solution, 500 mL bottle	HI 92011	Serial cable for PC connection
HI 70300L	Electrode storage solution, 500 mL bottle		

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.