

Portable pH Meter with mV Range. 4 Instruments in 1 Unit.



Ideal to Control Water Softening Plants & Swimming Pools

HI 991003 is the first pH meter that can measure pH, pH-mV (to check the electrode status), ORP and temperature with only one probe.

Since ORP measurements are strongly affected by pH level, HANNA instruments® has developed the first meter that simultaneously measures both ranges. With all other instruments you need to switch the pH electrode with an ORP electrode (or vice-versa) and, therefore, it is impossible to have both measurements at the same time.

HI 991003 is largely used to control plating bath waste water, swimming pool water quality and potable water sanitizing processes.

HI 991003 is provided with our unique Sensor Check feature that allows the user to establish the status of the pH electrode before performing measurements. The Sensor Check feature consists of a pH-mV scale that shows the characteristics (slope and offset) of the sensor, allowing the user to determine if the electrode is in good condition.

HI 991003 is protected in a waterproof casing for use in humid and wet environments. It also features a large dual-level LCD that displays pH or ORP and temperature readings simultaneously.



Specifications

		HI 991003
Range	pH	-2.00 to 16.00
	pH-mV	±825 mV
	mV	±1999 mV
	Temperature	-5.0 to 105.0°C / 23.0 to 221.0°F
Resolution	pH	0.01 pH
	pH-mV	1 mV
	mV	1 mV
	Temperature	0.1°C / 0.1°F
Accuracy (@20°C)	pH	±0.02 pH
	pH-mV	±1 mV
	mV	±2 mV
	Temperature	±0.5°C (up to 60°C), ±1°C (outside) / ±1.0°F (up to 140°F), ±2°F (outside)
pH Calibration	automatic, 1 or 2 point with 2 sets of memorized buffers (pH 4.01/7.01/10.01 or 4.01/6.86/9.18)	
Temperature Compensation	automatic, -5 to 105°C (23 to 221°F)	
Electrode	HI 1297D, amplified, combination pH/ORP electrode with internal temperature sensor, DIN connector and 1 m (3.3') cable (included)	
Battery Type / Life	3 x 1.5V AA / approx. 1500 hours of continuous use; auto-off after 8 minutes of non-use	
Environment	0 to 50°C (32 to 122°F); RH max 100%	
Dimensions / Weight	150 x 80 x 36 mm (5.9 x 3.1 x 1.4") / 210 g (7.4 oz.)	

Accessories

HI 1297D	Combination pH/ORP electrode with internal temperature sensor and amplifier, DIN connector and 1 m cable	HI 7007L	pH 7.01 buffer solution, 500 mL bottle
HI 1296D	Combination pH electrode with internal temperature sensor and amplifier, DIN connector and 1 m cable	HI 7009L	pH 9.18 buffer solution, 500 mL bottle
HI 7004L	pH 4.01 buffer solution, 500 mL bottle	HI 7010L	pH 10.01 buffer solution, 500 mL bottle
HI 7006L	pH 6.86 buffer solution, 500 mL bottle	HI 7020L	200/275 mV test solution, 500 mL bottle
		HI 710007	Shockproof rubber boot, blue
		HI 710008	Shockproof rubber boot, orange

Ordering Information

HI 991003 is supplied complete with HI 1297D pH/ORP electrode with internal temperature sensor, pH 4 and pH 7 buffer sachets, HI 700661 electrode cleaning solution (2 x 20 mL), batteries, rugged carrying case and instructions.

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.