

HI 991003C

Waterproof, Extended Range pH, ORP & Temperature Meter with Sensor Check

- Extended Range: -2.00 to 16.00 pH
- Simultaneously Shows Temperature in °C or °F
- Automatic pH Calibration and Temperature Compensation
- Stability Indicator and HOLD Feature
- Rugged carrying case included

The Hanna line of portable instruments has been designed to provide outstanding performance with the latest innovative technology. Hanna meters are precise, rugged, easy to use, economical and reliable.



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With today's high level of demand for quality and accuracy, it is critical, when measuring pH, to know the status of the electrode, since it is the most important element of the pH measurement system. An old, out of specifications pH electrode can result in erroneous pH measurements that can seriously damage the process. Hanna Instruments has solved this problem with the 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 mV pH scale that shows the characteristics (slope and offset) of the sensor, allowing the user to determine if the electrode is in good condition. In several countries, local agencies require pH electrodes to have slope % as high as 95%. This can only be done with the sensor check feature.

HI 991003C is protected in a waterproof casing for use in humid and wet environments. It also features a dual level LCD that displays pH or ORP and temperature (in degree C or F). Automatic pH calibration can be performed with 5 memorized buffers (for NIST or standard calibration). HI 991003 provides over 1500 hours of battery life and an 8 minute auto-off period to save battery power.



Specifications		HI 991003C
Range (*)	pH/pH (in mV)/ORP Temperature	-2.00 to 16.00 pH/±825 mV (pH-mV)/±1999 mV (ORP) -5.0 to 105.0°C or 23.0 to 221.0°F
Resolution	pH/pH (in mV)/ORP Temperature	0.01 pH/1 mV 0.1°C or 0.1°F
Accuracy (@20°C/68°F)	pH/pH (in mV)/ORP Temperature	±0.02 pH/±2 mV ±0.5 up to 60°C, ±1°C outside; ±1°F up to 140°F, ±2°F outside
Typical EMC Deviation	pH/pH (in mV)/ORP Temperature	±0.02 pH/±2 mV ±0.2°C or ±0.4°F
pH Calibration	Automatic 1 or 2 points with 2 sets of standardized buffers (pH 4.01, 7.01, 10.01 or 4.01, 6.86, 9.18)	
Temperature Compensation	Automatic for pH readings	
Probe	HI 1297D combination amplified pH/ORP/temperature with DIN connector and 1 m (3.3') cable (included)	
Battery Type	3 x 1.5V AA/ approximately 1500 hours of continuous use. Auto shut-off after 8 minutes of non-use.	
Environment	0 to 50°C (32 to 122°F); RH 100%*	
Dimensions	150 x 80 x 38 mm (5.9 x 3.2 x 1.5")	
Weight	245 g (8.6 oz.)	

* Temperature range is limited to 80°C (176°F) if using the HI 1296D or HI 1297D probes

Ordering Information

HI 991003C is supplied complete with HI 1297D pH/ORP/temperature probe, 3 x 1.5V AA batteries, and instruction manual in a rugged carrying case.

Recommended Accessories

HI 1296D Combination amplified pH/temperature electrode with DIN connector and 3.3' (1 m) cable
 HI 7004L pH 4.01 buffer solution, 16.9 oz. (500 mL)
 HI 7006L pH 6.86 buffer solution, 16.9 oz. (500 mL)
 HI 7007L pH 7.01 buffer solution, 16.9 oz. (500 mL)
 HI 7009L pH 9.18 buffer solution, 16.9 oz. (500 mL)
 HI 7010L pH 10.01 buffer solution, 16.9 oz. (500 mL)
 HI 70300L Storage solution, 16.9 oz. (500 mL)

HI 70004P pH 4.01 cal. sol., 25 x .68 oz. (20 mL)
 HI 70007P pH 7.01 cal. sol., 25 x .68 oz. (20 mL)
 HI 70010P pH 10.01 cal. sol., 25 x .68 oz. (20 mL)
 HI 77400P Cal. kit, pH 4 & 7, .68 oz. (20 mL), 5 pcs ea.
 HI 710004 Soft carrying case
 HI 721312 Hard carrying case
 HI 710007 Blue shockproof rubber boot
 HI 776405 Electrode holder

Hanna Solutions are available in different sizes to fit any application.



Authorized Distributor:



PEWA
Messtechnik GmbH

Weidenweg 21
58239 Schwerte

Tel.: 02304-96109-0
Fax: 02304-96109-88
E-Mail: info@pewa.de
Homepage: www.pewa.de