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Water Quality Meters

YSI EcoSense® pH100M pH/ORP/mV/Temperature

YSI EcoSense® instruments provide accurate data in the most affordable format. The "M" stands for memory and the instruments feature a real-time clock, larger memory and simple data transfer to a PC with a built-in USB port.

The pH100M is easy-to-use, field-worthy and provides accurate and repeatable measurements.

FEATURES

The pH100M measures pH, mV/ORP and temperature with the following features:

- **Rugged, waterproof, field-worthy case. IP-67 rated.**
- **Waterproof micro-USB port for transferring data to PC; no software required.**
- **Holds 250 data sets; no need to write down data.**
- **Real-time clock for date/time stamp of saved data.**
- **User-selectable re-calibration prompt provides reminder to calibrate.**
- **Automatic buffer recognition (US or NIST buffer sets).**
- **Automatic or manual temperature compensation.**
- **1-year instrument warranty; 6-month electrode warranty.**
- **1 and 4-meter field cables available; lab pH and ORP electrodes available.**
- **Displays electrode efficiency.**
- **Autolock mode holds stable readings on display.**

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue • Denver, Colorado 80205
(303) 320-4764 • **(800) 833-7958** • FAX (303) 322-7242
email: sales@geotechenv.com   website: www.geotechenv.com

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SPECIFICATIONS

EcoSense pH100M Instrument Only Specifications

Temperature	Range	-10 to 120°C
	Resolution	0.1°C
	Accuracy	±0.3°C (System accuracy - instrument, sensor, cable)
pH	Range	-2 to 16 units
	Resolution	0.01 unit
	Accuracy	±0.01% of full scale or ±0.03 pH units (System accuracy - instrument, sensor, cable: ±0.2 pH units)
mV	Range	-1999 to +1999 mV
	Resolution	1 mV
	Accuracy	±0.1% ±1 digit

EcoSense pH100M Additional Specifications

Operating Range	Temperature	0 to 50°C (32 to 122°F)
	Relative Humidity	up to 95%
Waterproof Rating	IP-67 waterproof	
Handheld Size	78 mm wide (widest point) x 184 mm long x 37 mm deep (3.1 in. x 7.25 in. x 1.45 in.)	
Weight with Battery	280 grams (0.6 lb.)	
ATC Probe	Thermistor, 10kΩ/25°C	
Battery	One 9 volt (included); 150 hour battery life; Real Time Clock (RTC) powered by non-replaceable CR2032 coin battery (3V)	
pH Temperature Compensation	Auto/Manual -10.0°C to 120.0°C (14 to 248°F)	
pH Buffer Recognition	US (4.00, 7.00 & 10.0 at 25°C or 4.00, 7.02 & 10.06 at 20°C) or NIST (4.01, 6.86, 9.18 at 25°C or 4.00, 6.87 & 9.23 at 20°C)	
pH Calibration Temperature	0°C to 60°C (32 to 140°F)	
pH Offset Recognition	+90 mV at pH 7.00 or 6.86	
pH Slope Recognition	+30% at pH 4.00, 4.01, 9.18, or 10.01	
Audio Feedback	Yes, all keys	
Autolock Feature	Yes	
Auto Shutoff	Automatically powers off after 30 minutes of inactivity	
Memory (data sets)	250 (1 data set = pH, temperature, date/time)	
Re-calibration Timer	User-selectable; from 0 to 60 days	
Real-Time Clock (RTC)	Yes, for date/time stamp of saved data and re-calibration timer	
USB Port	Yes, waterproof micro-USB for downloading data to PC. No software required.	

ORDERING INFORMATION

Order items separately or as a kit

Part	YSI Part No.	Geotech Part No.
pH100M, meter only - includes manual, USB cable and 9 volt battery	601031	72103074
Kit: pH100M meter, 1 meter cable/probe assembly, carrying case	601032	92103019
Kit: pH100M meter, 4 meter cable/probe assembly, carrying case	601033	92103020
1-meter waterproof field cable with combo pH electrode and temperature	605377	12103034
4-meter waterproof field cable with combo pH electrode and temperature	605378	12103035
1-meter pH laboratory grade cable and electrode	605374	–
1-meter pH piercing tipped, double-junction cable and electrode	605080	–
1-meter pH flat tipped, double junction cable and electrode	605081	–
1-meter ORP laboratory grade cable and electrode	605376	12103036
1-meter temperature cable and probe	605375	–
Hard-sided, plastic carrying case with form fitted foam insert; 31.75 x 22.86 x 9.4 cm (12.5 x 9 x 3.7 in.)	606031	12103243