



a xylem brand



**Parameters:**

pH

Temperature

mV/ORP/Redox (oxidation reduction potential)

## **EcoSense pH100A pH/ORP/mV/Temperature**

**Accurate, economical, handheld measurements**

The EcoSense® line of compact, handheld instruments provides the most accurate data in the most affordable format. The instruments feature an easy-to-use interface, one-hand operation, IP67 waterproof case, and low cost of ownership over the life of the product. The pH100A measures pH, mV/ORP and temperature with the following features:

- IP67 Waterproof housing
- 1-year instrument warranty
- Internal buffer recognition (US or NIST buffer sets)
- Auto/Manual temperature compensation
- Electrode offset recognition
- Low battery indicator with 1000 hour battery life
- Displays electrode efficiency
- Autolock mode holds stable readings on display
- Auto shutoff function after 30 minutes of inactivity
- 50 data set memory

The pH100A is designed for quick, accurate results in an economical platform. The ability to measure pH, mV/ORP, and temperature in a simple, compact handheld allows the instrument to be used in multiple applications. With a one-year instrument warranty, six-month electrode warranty, calibration backup, and a variety of cable/sensor options (glass bulb, flat tipped, and piercing tipped), the pH100A will fit your needs.

The EcoSense pH100A is also available as a kit with a 1- or 4-meter cable.



## pH100A Instrument Only Specifications

Temperature	Range	-10 to +120°C (14 to 248°F)
	Resolution	0.1°C
	Accuracy	±0.3°C ±1 digit
pH	Range	-2 to 16 units
	Resolution	0.01 unit
	Accuracy	±0.01% of full scale or ± 0.03 pH units <a href="#">System Accuracy (Instrument, sensor, cable): ±0.2 pH units</a>
mV	Range	-1999 to +1999 mV
	Resolution	1 mV
	Accuracy	±0.1% ±1 digit

## pH100A Additional Specifications

### Operating range

Temperature	0° to 50° C (32 to 122°F)
Relative Humidity	up to 95%

### Water rating

IP67 waterproof

### 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

272 grams (0.6 lb.)

### ATC Probe

Thermistor, 10kΩ / 25° C

### Battery

One 9 volt included with purchase; 1000 hour battery life

### pH temp compensation

Auto/Manual -10.0° C to 120.0°C (14 to 248°F)

### pH buffer recognition

US (4.00, 7.00, & 10.00 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 temp

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

### Calibration back-up

Yes

### Audio feedback

Yes, all keys

### Autolock feature

Yes

### Memory

50 data set reviewable memory

### Auto shutoff

Automatically powers off after 30 minutes of inactivity

## pH100A Ordering Information (order items separately or as a kit)

606075	pH100A pH, mV and temperature instrument only
606067	pH100A instrument, 1-meter cable and electrode, hard-sided carrying case kit
606033	pH100A instrument, 4-meter cable and electrode, hard-sided carrying case kit
605377	1-meter waterproof field cable with combo pH electrode and temperature
605378	4-meter waterproof field cable with combo pH electrode and temperature
605374	1-meter pH laboratory grade cable and electrode
605080	1-meter pH piercing tipped, double-junction cable and electrode
605081	1-meter pH flat tipped, double-junction cable and electrode
605376	1-meter ORP laboratory grade cable and electrode
605375	1-meter temperature cable and probe
606031	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)
605380	pH 4, 7, 10 electrode simulator (ensures instrument performance)
603824	pH Buffers; Assorted case of 2 pints each of 4, 7, and 10

## YSI

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Specifications are subject to change. Please visit YSI.com to verify all specs.

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