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Parameters:

pH
ORP/Redox (mV)
Temperature (°C)



EcoSense® pH1000A Laboratory Benchtop Instrument

Accurate and economical pH, ORP (mV) and temperature instrument

The EcoSense® pH1000A benchtop instrument provides accurate measurements at an affordable price. The instrument features an easy-to-use interface and 1, 2, or 3 point pH calibration. In addition to pH, the pH1000A also measures ORP (mV) and temperature.

Repeatable/Efficient - the instrument's auto stable feature will hold stable measurements on the display, resulting in precise, repeatable, and error-free measurements.

Convenient/Reliable - simple calibration with automatic buffer recognition. Calibration is stored in memory and the electrode efficiency can be viewed at any time.

- Measures pH, ORP (mV) and temperature
- Large, high contrast, LCD display; displays pH/mV and temperature simultaneously
- Simple 1, 2, or 3 point calibration
- AUTOLOCK mode holds stable measurements on the display
- Accepts U.S. (7.00, 4.01, 10.01) or NIST (6.86, 4.00, 9.18) buffer sets
- Automatic/manual temperature compensation*
- Automatic lock mode and end point sensing feature will lock in stable measurements
- BNC input allows for any pH or ORP electrode with BNC to be connected*
- 1 year warranty on instrument

* If not using the 1102 pH electrode with a built-in temperature sensor, the 1103 temperature sensor will need to be used for automatic temperature compensation.

EcoSense® pH1000A Instrument-only Specifications

	Range	Resolution	Accuracy
pH	-2.0 to 16.0 pH units	0.01 pH units	±0.01 pH units
ORP (mV)	-1999.9 to 1999.9 mV	0.1 mV	±0.05% FS ±1 mV
Temperature	0.0 to 100°C (32.0 to 212°F)	0.1°C	±0.1°C System Accuracy (instrument, sensor, cable): ±0.2°C +1 LSD

EcoSense® pH1000A General Specifications

Display	Graphic LCD display, 93 mm wide x 58 mm high (3.66 in wide x 2.28 in high)
pH Buffer Recognition	US (pH 4.01, 7.00, 10.01) or NIST (pH 4.00, 6.86, 9.18), user selectable
pH Temperature Compensation	Automatic/Manual 0.0 to 100°C
Temperature Sensor	Thermistor, 10 k Ω at 25°C
Operating Temperature Range	From 0 to 50°C
Power	6 x 1.5 Volt AA batteries or AC power supply (included with instrument)
Weight	590 grams (1.3 lbs) with batteries installed; 450 grams (0.99 lbs) without batteries installed
Dimensions (W x D x H)	155 mm x 195 mm x 52 mm (6.10 x 7.68 x 2.05 in)
Certifications	CE, cETLus; electrical protective class III
Warranty	1 year on the pH1000A meter, 6 months on pH1000A cable/sensor assemblies
Audio Feedback	All touch keys
Auto Stable & Measurement Hold	Yes
Connection	BNC for pH and ORP (mV) electrodes; unique connection for temperature (see note below)

EcoSense® pH1000A Ordering Information

601100	pH1000A - pH/ORP/mV lab instrument with power supply
601101	1101 pH electrode with 1 meter cable
601102	1102 pH/ATC (Automatic Temperature Compensation) combination electrode with 1 meter cable
601103	1103 Temperature probe with 1 meter cable
601104	pH1000A-01 Kit - pH/mV/Temperature benchtop lab instrument with electrode stand
601105	pH1000A-02 Kit - pH/mV/Temperature benchtop lab instrument with 1102 pH/temp electrode and electrode stand
601106	pH1000A-03 Kit - pH/mV/Temperature benchtop lab instrument with 1102 pH/temp electrode
601112	Replacement pH1000A power supply* (110-220V)
601113	pH1000A electrode stand
605376	115-1 ORP electrode
003821	pH 4 Buffer (box of 6 pints)
003822	pH 7 Buffer (box of 6 pints)
003823	pH 10 Buffer (box of 6 pints)
603824	pH Buffer, Assorted Case

* Power supply comes with the instrument

Note: The pH1000A features a BNC connector for pH and ORP electrodes. Any pH or ORP electrode with a BNC connection can be used. The temperature connector is unique to the pH1000A, therefore use a 1102 or 1103 for temperature compensated measurements.

YSI

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