



# EcoSense® pH1000A

LABORATORY BENCHTOP 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 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 and the electrode efficiency can be viewed at any time.

- Large, high-contrast LCD display; displays pH/ mV and temperature simultaneously
- Automatic/manual temperature compensation
- BNC input allows for any pH or ORP electrode with BNC to be connected



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# EcoSense pH1000A LABORATORY BENCHTOP INSTRUMENT

SPECIFICATIONS W93-01

## 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	0.1°C	±0.1°C System Accuracy (instrument, sensor, cable): ±0.2° + 1 LSD

## EcoSense® pH1000A General Specifications

Display	Graphic LCD display, 93 mm wide x 58 mm 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 $\Omega$ 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 with batteries installed; 450 grams without batteries installed
Dimensions (WxDxH)	155 mm x 195 mm x 52 mm
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
601305	pH1000A-02 Kit - pH/mV/Temperature benchtop lab instrument with 1102 pH/temp electrode and electrode stand
601306	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 electrodes 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.



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