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SPECIFICATIONS
DOCUMENT #W93



Parameters:

pH
mV (ORP/Redox)
Temperature

EcoSense pH1000A Laboratory Benchtop Meter

Single channel meter for measurement of pH, mV (ORP)

The EcoSense® pH1000A benchtop meter is the ideal laboratory instrument for reliable measurements. It is an accurate, easy-to-use solution for the measurement of pH/mV/ORP in the laboratory.

Repeatable/Efficient - the instrument's automatic lock mode and end point sensing feature will lock in stable measurements for improved repeatability.

Convenient/Reliable - simple calibration with automatic buffer recognition and calibration data is stored in memory.

- Single measurement of pH, mV (ORP) and temperature
- Large, high contrast, LCD display; displays pH/mV and temperature simultaneously
- Simple calibration with automatic buffer recognition
- Automatic/manual temperature compensation
- Automatic lock mode and end point sensing feature will lock in stable measurements
- 1 year warranty on instrument



EcoSense pH1000A Instrument-only Specifications

| | Range | Resolution | Accuracy |
|-------------|------------------------------|---------------|---------------------------------------------------------------------|
| pH | -2.0 to 16.0 pH units | 0.01 pH units | ±0.01 pH units |
| mV | -1999.9 to 1999.9 mV | 0.1 mV | ±0.05% FS ±1 digit |
| Temperature | 0.0 to 100°C (32.0 to 212°F) | 0.1°C | ±0.2°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 |
| pH Buffer Recognition | US (pH 4.01, 7.00, 10.01) or NIST (pH 4.00, 6.86, 9.18), user selectable |
| pH Electrode Offset Recognition | ±100 mV at pH 7.00 or +108.3/-91.7 mV at pH 6.86 |
| pH Electrode Slope Recognition | ±30% at pH 4.00, 4.01, 9.18 and 10.01 |
| pH Temperature Compensation | Automatic/Manual 0.0 to 100°C |
| Input Impedance | >10 ¹² Ω |
| Temperature Sensor | Thermistor, 10 kΩ at 25°C |
| Operating Temperature Range | From 0 to 50°C |
| Relative Humidity | up to 90% |
| Power | 6 x 1.5 Volt AA batteries or the included power supply |
| Weight | 590 grams (1.3 lbs) with batteries installed; 450 grams (0.99 lbs) without batteries installed |
| Dimensions | 155 L x 195 W x 52 H mm (6.10 x 7.68 x 2.05 in) |
| Certifications | CE, cETLus; electrical protective class III |
| Warranty | 1 year |
| Audio Feedback | All touch keys |
| End Point Sensing & Hold | Yes |

EcoSense pH1000A Ordering Information

| | |
|--------------|--------------------------------------------------------------------------------------------------------------------------|
| 601100 | pH1000A - pH/mV (ORP) lab instrument with power supply |
| 601101 | pH electrode with 1 meter cable |
| 601102 | pH/ATC (Automatic Temperature Compensation) combination probe with 1 meter cable; features a built-in temperature sensor |
| 601103 | Temperature probe with 1 meter cable |
| 601104 | pH1000A lab instrument with electrode stand |
| 601105 | pH1000A lab instrument with electrode stand and pH electrode |
| 601106 | pH1000A lab instrument with pH electrode |
| 601112 | Replacement pH1000A power supply* |
| 601113 | pH1000A electrode stand |
| 605376:115-1 | ORP electrode |

* Power supply comes with the instrument


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