



# PM1000 SENSOLAB BENCHTOP PH/ORP METER

## PRODUCT SPECIFICATION SHEET



Simple, easy-to-read user interface

Measure pH or ORP and Temperature simultaneously

AUTOLOCK feature for reliable measurements

Waterproof case

Single, dual, or three point calibration

Automatic or manual temperature compensation

The new SensoLab Series Benchtop pH/ORP Meter is the perfect solution for a range of applications from instructional chemistry laboratories to quality control testing. Our waterproof pH and ORP meter helpfully prompts you through the calibration and measurement procedures, and includes the optional AUTOLOCK feature to ensure repeatable and reliable pH and mV measurements. This versatile meter can be powered in two ways, either with 6 AAA batteries to save your valuable bench space or with an AC power cable.

Use with any of our Laboratory pH Electrodes or ORP Sensors.



**pH1000 Polycarbonate  
Laboratory pH Sensor**



**pH2000 Extended Life  
Laboratory pH Sensor**



**ORP1000 Polycarbonate  
Laboratory ORP Sensor**



**ORP2000 Extended Life  
ORP Sensor**

**DESIGNED AND ASSEMBLED IN CALIFORNIA, USA**

11751 MARKON DRIVE • GARDEN GROVE, CA 92841 • 714.895.4344 • [WWW.SENSOREX.COM](http://WWW.SENSOREX.COM)

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### SPECIFICATIONS

|  |  |
|--|--|
| <b>pH Display</b>                      | Range: -2.00 to 16.00 pH<br>Resolution: 0.01 pH<br>Accuracy: +/- 0.1 pH                  |
| <b>mV Display</b>                      | Range: -1999.9 to 1999.9 mV<br>Resolution: 0.1 mV<br>Accuracy: +/- 0.05% FS, +/- 1 digit |
| <b>Temperature Display</b>             | Range: 0.0 to 100.0 C<br>Resolution: 0.1 C<br>Accuracy: +/- 0.2 C                        |
| <b>pH Buffer Recognition</b>           | pH 7.00, 4.01, 10.01 or pH 6.86, 4.00, 9.18  |
| <b>pH Temperature Compensation</b>     | AUTO / MAN 0.0 C to 100.0 C  |
| <b>pH Buffer Temperature Range</b>     | 0.0 C to 60.0 C  |
| <b>pH Electrode Offset Recognition</b> | +/- 100 mV at pH 7.00 or +108.3/-91.7 mV at pH 6.86                                      |
| <b>pH Electrode Slope Recognition</b>  | +/- 30% at pH 4.00, 4.01, 9.18, and 10.01  |
| <b>Input Impedance</b>                 | > 10 <sup>12</sup> Ω   |
| <b>Temperature Sensor</b>              | Thermistor, 10 kΩ at 25 C  |
| <b>Power</b>                           | 6x 1.5V AAA Batteries or 115/230 AC adapter  |
| <b>Calibration Back-up</b>             | EEPROM   |
| <b>Audio Feedback</b>                  | All Touch Keys   |
| <b>End Point Sensing &amp; Hold</b>    | Yes  |
| <b>Display (pH/mV : Temperature)</b>   | 22 mm : 14.5 mm high LCD   |
| <b>Ambient Temperature Range</b>       | 0 to 50 C  |
| <b>Relative Humidity</b>               | up to 90%  |
| <b>Case</b>                            | IP54   |

### OUTLINE AND DIMENSIONS



### ORDERING INFORMATION

#### Part Number Description

|                     |  |
|---------------------|--|
| <b>Model:</b>       |  |
| <b>PM1000</b>       | SensoLab Benchtop pH/ORP Meter                 |
| <b>Accessories:</b> |  |
| <b>pH1000</b>       | Polycarbonate Laboratory pH Sensor             |
| <b>pH1600</b>       | Durable Laboratory pH Sensor                   |
| <b>pH2000</b>       | Extended Life Laboratory pH Sensor             |
| <b>pH2100</b>       | Flat Tip pH Electrode                          |
| <b>pH2200</b>       | Spear Tip pH Electrode                         |
| <b>pH3000</b>       | Research-Grade pH Sensor (Refillable)          |
| <b>ORP1000</b>      | Polycarbonate Laboratory ORP Sensor            |
| <b>ORP2000</b>      | Extended Life ORP Sensor                       |
| <b>ORP3000</b>      | Research Grade ORP Electrode                   |
| <b>B130</b>         | pH Buffer Solutions 3 Pack (4.01, 7.00, 10.00) |

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