



## pH100 pH or mV/Temp Instrument

### *Accurate, economical handheld measurement*

YSI's new 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, water resistant case, and low cost of ownership over the life of the product. The pH100 measures pH or mV and temperature with the following features:

- Watertight housing
- Internal buffer recognition
- Auto/Manual temperature compensation
- Sensors are available as single parameter or combinations for pH or mV and temperature
- Low battery indicator
- Electrode offset recognition
- Autolock mode holds stable readings on display
- Displays electrode efficiency



*The pH100 with one of the possible configurations using a combination 2-in-1 pH sensor and temperature sensor. Another option allows for a mV or pH sensor with a separate temperature sensor or flat tipped and piercing tipped probes.*

Pure  
Data for a  
Healthy  
Planet.®

*Compact design and  
affordable price*

The pH100 is designed for quick, accurate results in an economical platform. The ability to measure pH, mV, and temperature in a simple, compact instrument 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/electrode options, the pH100 will fit your needs.





To order, or for more  
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**ISO 9001**  
**ISO 14001**

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the Planet?®

## Y S I Environmental

### pH100 Instrument Specifications

|             |            |                   |
|-------------|------------|-------------------|
| Temperature | Range      | -10 to +120°C     |
|             | Resolution | 0.1°C             |
|             | Accuracy   | ±0.3°C ±2 digit   |
| pH          | Range      | -2 to 16 units    |
|             | Resolution | 0.01 unit         |
|             | Accuracy   | ±0.1% ±2 digit    |
| mV          | Range      | -1999 to +1250 mV |
|             | Resolution | 1 mV              |
|             | Accuracy   | ±0.1% ±1 digit    |

### Additional Technical Specifications

#### Operating range:

|                    |             |
|--------------------|-------------|
| Temperature:       | 0° to 50° C |
| Relative Humidity: | up to 95%   |

**Water resistance** IP-65 water resistant, splash resistant

**Size** 70 mm width x 186 mm length (2.8 in. x 7.3 in.)

**Weight with battery** 430 grams (1 lb.)

**ATC Probe** Thermistor, 10kΩ / 25° C

**Battery** One 9 volt included with purchase

**pH temp compensation** Auto/Manual -10.0° C to 120.0° C

**pH buffer recognition** (4.01, 7.00, & 10.01) or (4.00, 6.86, & 9.18)

**pH calibration temp** 0° C to 60° C

**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

### pH100 Ordering Information

|                   |                                                                             |
|-------------------|-----------------------------------------------------------------------------|
| <b>pH100</b>      | pH100 instrument                                                            |
| <b>100-1</b>      | 1-meter waterproof Y-cable with combo pH electrode and temperature          |
| <b>100-4</b>      | 4-meter waterproof Y-cable with combo pH electrode and temperature          |
| <b>111-1</b>      | 1-meter piercing tipped double-junction electrode                           |
| <b>112-1</b>      | 1-meter flat tipped double-junction electrode                               |
| <b>110-1</b>      | 1-meter cable with pH electrode                                             |
| <b>115-1</b>      | 1-meter cable with mV electrode                                             |
| <b>130-1</b>      | 1-meter cable with temperature (ATC) probe                                  |
| <b>pH100CC-01</b> | Kit (pH100 instrument, 100-1 probe and cable, 180 hard-sided carrying case) |
| <b>pH100CC-04</b> | Kit (pH100 instrument, 100-4 probe and cable, 180 hard-sided carrying case) |
| <b>160</b>        | pH 4, 7, 10 electrode simulator (ensures instrument performance)            |
| <b>180</b>        | pH100 carrying case, hard sided, form fitted foam insert                    |
| <b>480</b>        | Soft, black carrying case with shoulder strap, vinyl                        |

For more information about this product, please call YSI at 800-897-4151. You may also send e-mail inquiries to [ecosense@ysi.com](mailto:ecosense@ysi.com) or visit [www.ysiecosecense.com](http://www.ysiecosecense.com).