

99 Series Portable Waterproof Meters

For scientists and professionals who require precision in the field or on the production floor, Hanna's 99 Series meters are durable, water-proof handhelds that deliver accurate results. It's the application-specific design you love with an all-new rugged construction to give you years of flawless measurements.

Features

- **Large LCD**
 - A multilevel display provides at-a-glance readings of your most important numbers from any angle.
- **User-friendly Design**
 - With only two buttons, meter operation could not be simpler. Two buttons allow you to quickly adjust settings, select the measurement range, and choose calibration buffer sets.
- **Application Specific Probe**
 - Your measurements require detailed attention; so should your electrodes. Your probe has been carefully designed to meet the demands of your industry from body materials to junction type. Get top performance with a meter made for you.
- **Probe Condition**
 - An on-screen indicator provides visual confirmation that your probe is working at its best.
- **Durable IP67 waterproof casing**
 - Designed to withstand the knocks, drops, and spills of real life, the new IP67 body ensures top performance in any environment. These meters are protected against dust and water intrusion from any direction.



- **Watertight Connection**
 - A Quick Connect DIN connector makes attaching and removing the probe simple and easy. The rubber coating protects the cable and creates a sealed connection for added reliability.



- **HOLD button**
 - Freezes the reading on the display



- **Selectable temperature unit (°C or °F)**



- **Battery life indication, low battery detection and Auto-off function**
- **Automatic pH calibration at one or two points within two memorized buffer sets (standard or NIST)**
- **On-screen calibration tags**
- **Electrode condition indicator**
- **mV of pH measurement for electrode check**



pH

portable



Shown with: **HI710028**
Silicon rubber boot, orange



Shown with: **HI710029**
Silicon rubber boot, blue

1 Three level display

2 Two level display

3 Calibration tags

4 Automatic temperature compensation indicator

5 Selectable temperature unit, °C or °F

6 electrode condition indicator

7 Stability indicator

8 Power and MODE button

9 HOLD button to freeze readings on the display

10 Quick Connect DIN connector

11 HI710028 Silicon rubber boot, orange

12 HI710029 Silicon rubber boot, blue



HI991001 · HI991003

pH/pH-mV/ORP and Temperature Meters

- Simultaneous pH, ORP, and temperature measurements on a large three-line LCD display (HI991003)
- Simultaneous pH and temperature measurements on a large dual-line LCD display (HI991001)
- User-friendly two button design
- Application specific probe
- Durable IP67 waterproof casing
- Watertight probe connection
- Probe condition indicator
- Automatic pH calibration at one or two points within two memorized buffer sets (standard or NIST)
- On-screen calibration tags
- mV measurement for electrode check
- Selectable temperature unit (°C or °F)
- Auto-off function
- Battery life indication and low battery detection

| Specifications | HI991001 | HI991003 | |
|---------------------------|--------------------------------|--|--|
| pH | Range* | -2.00 to 16.00 pH / -2.0 to 16.0 pH | |
| | Resolution | 0.01 pH / 0.1 pH | |
| | Accuracy (@25°C/77°F) | ±0.02 pH / ±0.1 pH | |
| | Calibration | Automatic, one or two-point selectable bufferset standard: 4.01; 7.01; 10.01 or NIST: 4.01; 6.86; 9.18 | |
| ORP | Range* | – ±1999 mV | |
| | Resolution | – 1 mV | |
| | Accuracy (@25°C/77°F) | – ±2 mV | |
| pH-mV | Range* | ±825 mV ±825 mV | |
| | Resolution | 1 mV 1 mV | |
| | Accuracy (@25°C/77°F) | ±1 mV ±1 mV | |
| | Temperature | -5.0 to 105.0°C/23.0 to 221.0°F | |
| Temperature | Resolution | 0.1°C/0.1°F | |
| | Accuracy (@25°C/77°F) | ±0.5°C up to 60°C; ±1.0°C outside; ±1.0°F up to 140°F; ±2.0°F outside | |
| Additional Specifications | Temperature Compensation | automatic, from -5.0 to 105.0°C (23.0 to 221.0°F) | |
| | Probe (included) | HI12963 preamplified pH and temperature probe with titanium body, DIN connector and 1 m (3.3') cable | HI12973 preamplified pH/ORP with internal temperature sensor, DIN connector and 1 m (3.3') cable |
| | Battery type / life | 1.5V AAA (3) approx. 1400 hours of continuous use | |
| | Auto-Off | user selectable: after 8 min, 60 min, or disabled | |
| | Environment | 0 to 50°C (32 to 122°F); RH max. 100% | |
| | Meter Dimensions | 154 x 63 x 30 mm (6.1 x 2.5 x 1.2") | |
| | Meter Mass (with batteries) | 196 g (6.91 oz.) | |
| | Case Ingress Protection Rating | IP67 | |
| | Ordering Information | <p>HI991001 is supplied with HI12963 pH/temperature probe with titanium body and Quick Connect DIN connector with 1m (3.3') cable, pH 4.01 and 7.01 Buffer sachets, HI700601 electrode cleaning solution sachet (2), 100 mL beaker, 1.5V AAA batteries (3), calibration certificate of meter, calibration certificate of probe, instruction manual, and rugged carrying case.</p> <p>HI991003 is supplied with HI12973 pH/ORP/temperature probe with titanium body and Quick Connect DIN connector with 1m (3.3') cable, pH 4.01 and 7.01 Buffer sachets, HI700601 electrode cleaning solution sachet (2), 100 mL beaker, 1.5V AAA batteries (3), calibration certificate of meter, calibration certificate of probe, instruction manual, and HI710142 rugged carrying case.</p> | |

The HI991003 is a light weight, portable pH/ORP/temperature meter for pH and ORP measurements encountered in recreational waters (swimming pools and spas), plating baths, water treatment, manufacturing, and environmental testing applications. The meter is supplied with the HI12973 rugged probe protected with a titanium body specially designed for use on this meter.

HI991001 is a durable, portable, pH and temperature meter used for most pH measurements encountered in manufacturing and environmental testing protocols. The meter is provided with the HI12963 rugged titanium bodied electrode with built-in temperature sensor for temperature compensated pH and temperature readings.

- Optional shockproof silicon rubber boot
- Specially designed to protect your instrument from damage or impact



HI710028 Orange
HI710029 Blue
HI710030 Green

* HI12963 and HI12973 is limited to be used from 0 to 13 pH and from 0 to 80 °C temperature (32 to 176 °F).