

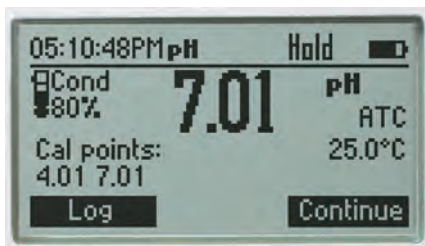
HI98162

pH / Temperature Meter for Milk

HI98162 is a professional portable pH and temperature meter with a probe designed specifically for pH measurement in milk.

- **Waterproof**
 - IP67 rated waterproof, rugged enclosure
- **CAL Check™**
 - Alerts users to problems during calibration including dirty/broken electrode, contaminated buffer and overall probe condition
- **Automatic or manual temperature compensation**
 - pH sensors incorporate a built-in temperature sensor
- **Calibration**
 - Up to a five-point calibration with seven standard buffers and five custom buffers
- **Approximately 200 hour battery life**
 - Powered by (4) 1.5V AA batteries
- **Clear display**
 - Dot matrix display with multifunction virtual keys
- **Auto hold**
 - Automatically holds the first stable reading on the display
- **Calibration timeout**
 - Alerts when calibration is due at a specified interval
- **Connectivity**
 - PC connectivity via opto-isolated micro-USB with HI92000 software
- **GLP**
 - GLP data provides data from previous calibration to ensure Good Laboratory Practices are met
- **Intuitive keypad**
 - Important and often used functions such as GLP information, help, range, calibration and backlight have a dedicated button
- **Supplied complete**
 - Each meter is supplied complete with sensor, calibration and cleaning solutions, beakers, PC software and connection cable, instruction manual, quick start guide and batteries in a rugged, custom carrying case





Auto Hold

Pressing AutoEnd during measurement will automatically hold the first stable reading on the display.



Dedicated Help Key

Contextual help is always available through a dedicated "HELP" key. Clear tutorial messages and directions are available on-screen to quickly and easily guide users through setup and calibration. The help information displayed is relative to the setting/option being viewed.



Setup Screen

Our extensive setup screen features a host of configurable options such as time, date, temperature units and language for help screens and guides.



PC Connectivity

Logged data can be transferred to a Windows compatible PC with the included HI920015 micro USB cable and HI92000 software.

Long Battery Life

The display of the meter has a battery icon indicator to show the remaining power. The meter uses four 1.5V AA batteries that provide up to 200 hours of battery life.



Supplied Complete in a Rugged Custom Carrying Case

Each meter is supplied complete with sensor, calibration and cleaning solutions, beakers, PC software and connection cable, instruction manual, quick start guide and batteries in a rugged, custom carrying case. The inside compartment of the carrying case is thermoformed to securely hold and protect all of the components.

| Specifications | | HI98162 |
|---------------------------|--|---|
| pH* | Range | -2.0 to 20.0 pH; -2.00 to 20.00 pH; -2.000 to 20.000 pH |
| | Resolution | 0.1 pH; 0.01 pH; 0.001 pH |
| | Accuracy | ±0.1 pH; ±0.01 pH; ±0.002 pH |
| | Calibration | up to five-point calibration, seven standard buffers available (1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45) and five custom buffers |
| | Temperature Compensation | automatic or manual from -20.0 to 120.0°C (-4.0 to 248.0°F) |
| mV | Range | ±2000 mV |
| | Resolution | 0.1 mV |
| | Accuracy | ±0.2 mV |
| | Relative mV Offset Range | ±2000 mV |
| Temperature* | Range | -20.0 to 120.0 °C (-4.0 to 248.0°F) |
| | Resolution | 0.1°C (0.1°F) |
| | Accuracy | ±0.4°C (±0.8°F) (excluding probe error) |
| Additional Specifications | pH Probe | FC1013 PVDF body, pH electrode with internal temperature sensor, quick DIN connector and 1 m (3.3' cable) |
| | Slope Calibration | from 80 to 110% |
| | Log-on-demand | Up to 200 samples (100 pH, 100 mV) |
| | PC Connection | opto-isolated USB with HI92000 software and micro USB cable |
| | Input Impedance | 10 ¹² Ω |
| | Battery Type / Life | 1.5V AA batteries (4) / approximately 200 hours of continuous use without backlight (50 hours with backlight) |
| | Auto-off | user selectable: 5, 10, 30, 60 min, disabled |
| | Environment | 0 to 50°C (32 to 122°F); RH 100% IP67 |
| | Dimensions / Weight | 185 x 93 x 35.2 mm (7.3 x 3.6 x 1.4") / 400 g (14.2 oz.) |
| Ordering Information | HI98162 is supplied with FC1013 pH electrode, HI7004M pH 4.01 buffer solution (230 mL), HI7007M pH 7.01 buffer solution (230 mL), HI700640 electrode cleaning solution sachet for milk deposits (2), 100 mL plastic beaker (2), HI92000 PC software, HI920015 micro USB cable, 1.5V AA batteries (4), quick start guide, quality certificate and instruction manual in a rugged carrying case with custom insert. | |

* Limits will be reduced to actual probe/sensor limits.