HI98168

pH / Temperature Meter for Soil

The HI98168 is a rugged, waterproof, portable pH meter that allows for the direct measure of soil pH. This meter is supplied with a specialized pH electrode that has a rugged conical tip for insertion in soil.

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 builtin 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



Soil pH Meter

designed for agriculture professionals

Hanna 98 series quality pH meters are rugged and portable with the performance and features of a benchtop. Seven models are available in this series to measure food, milk, meat, yogurt, cheese, beer and soil. Each model is supplied with an application specific electrode and cleaning solutions. These waterproof meters comply to IP67 standards and can be easily operated with one hand.



Backlit Graphic LCD Display

These meters feature a backlit graphic LCD with on-screen help. The graphic display allows for the use of virtual keys to provide for an intuitive user interface.

Waterproof Protection

The meter is enclosed in an IP67 rated waterproof casing and can withstand immersion in water at a depth of 1 m for up to 30 minutes.

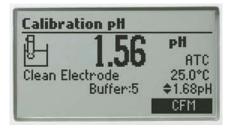


Quick Connect Probe

Each meter features an application specific pH/temperature probe with a quick connect DIN connector to make attaching and removing the probe simple and easy.

Calibration Timeout

Alerts when calibration is due at a specified interval.



pH Calibration

Choose from seven standard pH buffers and five custom values to obtain up to five point calibration and achieve high precision readings with a $0.001\,\mathrm{pH}$ resolution and a pH accuracy of ±0.002 .

Enhanced Calibration

An "out of calibration range" warning can be engaged to keep the user informed of the current calibration and help to avoid performing measurements that are out of the bracketed range.



CAL Check™

Hanna's CAL Check maintains a history of past calibrations and monitors the pH electrode and buffers during subsequent calibrations for any signs of wide variances due to a dirty or broken electrode or contaminated pH buffers. During calibration, users are alerted to problems should they occur. After calibration, the electrode's overall condition is displayed as a percentage.

Last pH cal	Buffer[pH]
Date: 2016/05/31	7.01×
Time: 10:03:04	4.01
Cal Expine: Disabled	7.01
Offset: -1.4mV	
Slope: 99.3%	

GLP

Comprehensive GLP functions are directly accessible by pressing the GLP key. Calibration data, including date, time and calibration values are stored with logged data for retrieval at a later time.



Data Logging

The log-on-demand feature allows users to store up to 200 samples that can be later transferred to a PC with the HI920015 USB cable and HI92000 software.

Automatic Temperature Compensation

pH sensors incorporate a built-in temperature sensor in the tip of the electrode for a fast and accurate temperature compensated value.

Intuitive Keypad

The fitted rubber keypad has dedicated keys for many important and often used functions. These meters also feature two virtual soft keys that navigate the user through setup and logging of data. The interface is intuitive for any user's level of experience.





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 quide users through setup and calibration. The help information displayed is relative to the setting/option being viewed.



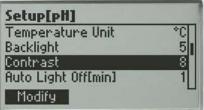
Setup Screen

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.



The display of the meter has a battery icon

indicator to show the remaining power.

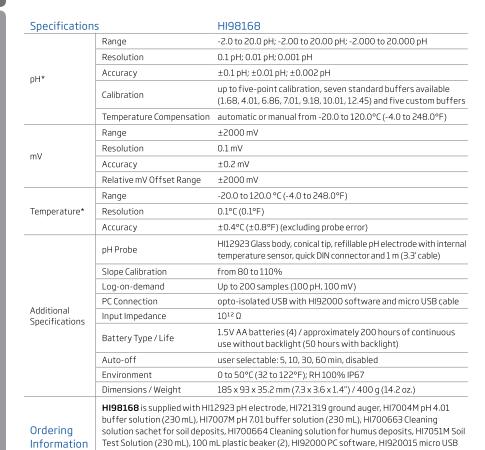
The meter uses four 1.5V AA batteries that

provide up to 200 hours of battery life.

Long 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 quide 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.



cable, 1.5V AA batteries (4), quick reference guide, instruction manual, and quality certificate in



- Optional shockproof silicon rubber boot
 - Specially designed to protect your instrument from damage or impact HI710035 Blue



a HI720161 hard carrying case with custom insert.