

miniLab® Pocket pH Meters



Applications

- Beverage
- Collection Systems
- Field Use
- Food QC Lab
- Oil & Gas
- Wastewater

Virtually unbreakable non-glass pH meters give stable readings in seconds.

Designed to Last

Unlike disposable pocket-sized pH meters, Hach's miniLab Pocket pH Meters contain a virtually unbreakable non-glass silicon chip sensor that gives stable readings in seconds.

Part of the H-Series family of non-glass probes, miniLab meters use ISFET (Ion-Sensitive Field Effect Transistor) sensor technology that contains several proprietary layers deposited selectively on a silicon substrate. The final layer possesses an affinity for hydrogen ions only. The quantity of hydrogen ions at or near the sensor surface causes an electrical effect that is detected and measured as pH.

All miniLab meters offer water proof (IP67) operation, automatic temperature compensation and economical measurement of small sample volumes. A replaceable reference electrode further extends the longevity of the meter.

No Maintenance

The sensor stores dry, therefore requiring no storage solutions. To clean the meter, simply use a toothbrush and a detergent solution. After use, just replace the protective sensor cap.

Operates in Restrictive and Challenging Environments

Non-glass pH probes offer convenience and ruggedness, excelling in applications such as food and beverage, academic teaching labs, environmental studies, medical, pharmaceutical, agriculture, and petrochemical.

Three Models

All models contain the benefits described at left, with variations in calibration, display, and resolution as described in the table below:

Feature	Model H130	Model H135	Model H138
1-point Calibration	■		
1-, 2- or 3-point Calibration		■	■
Temperature Display	■	■	■
0.01 pH Resolution			■



Calibration Buffer Set for the H138 miniLab Meter. Includes three 15 mL dropper bottles of each buffer.

Specifications*

	H130	H135	H138
Battery Operation	Two 3v lithium batteries (CR2032) included		
Battery Life	Up to 200 hours continuous warning with 10 hour advance low battery and automatic power off		
Temperature	Range: 5 to 40°C; Automatic Resolution: 0.1°C or 0.1°F Accuracy: ±0.5°C		
Display	LCD with Temperature		
IP Rating	IP67		
pH	Suggested Range: 5.0 to 9.0 pH Range: 2.0 to 12.0 pH Resolution: 0.1 pH Repeatability: ± 0.1 pH Input Accuracy: ≤ 0.1 pH	Range: 2.0 to 12.0 pH Resolution: 0.1 pH Repeatability: ± 0.1 pH Input Accuracy: ≤ 0.1 pH	Range: 2.0 to 12.0 pH Resolution: 0.1 pH Repeatability: ± 0.03 pH Input Accuracy: ≤ 0.01 pH
Calibration	1-point	1-, 2-, or 3-point	1-, 2-, or 3-point
Automatic Buffer Recognition	pH 7.00 pH 6.86	pH 4.01, 7.00, and 10.01 pH 4.01, 6.86, and 9.18	pH 4.01, 7.00, and 10.01 pH 4.01, 6.86, and 9.18
Dimensions	155 x 33 x 20 mm (6 1/8" L x 1 1/4" W x 3/4" H)		
Weight	77 g (0.17 lbs.) -meter only		

*Subject to change without notice.

Ordering Information

miniLab Pocket pH Meters with color-coded buffer sets

- H130** One Point Pocket pH Meter with 1-point calibration
- H135** Professional Pocket pH Meter with 1-, 2- or 3-point calibration
- H138** Elite Pocket pH Meter with 1-, 2- or 3-point calibration

Accessories

- CB40** pH 7.00 Buffer Set for miniLab Meters. Includes three 15 mL dropper bottles.
- CB45** pH 4.01, 7.00 & 10.01 Buffer Set for miniLab Meters. Includes three 15 mL dropper bottles of each.
- 9316800** Replacement Reference Electrode for the H130, H135 & H138

All miniLab models include required calibration pH buffer solutions and carrying case.

HACH COMPANY World Headquarters: Loveland, Colorado USA

United States: 800-227-4224 tel 970-669-2932 fax orders@hach.com
Outside United States: 970-669-3050 tel 970-461-3939 fax int@hach.com

www.hach.com

