

# miniLab Pocket pH Meters

Electrochemistry



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

## Features and Benefits

### 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-resistant 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 filling 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		
	H120	H125	H128
1-point Calibration	■		
1-, 2- or 3-point Calibration		■	■
Temperature Display	■	■	■
0.01 pH Resolution			■



Calibration Buffer Set for the H128 miniLab Meter. Includes three 15 mL dropper bottles of each buffer.

DW = drinking water WW = wastewater municipal PW = pure water / power  
 IW = industrial water E = environmental C = collections FB = food and beverage

DW

WW

IW

E

FB



Be Right™

## Specifications\*

	H120	H125	H128
<b>Power</b>	Two 3v lithium batteries (CR2032) included		
<b>Battery Life</b>	Up to 200 hours continuous warning with 10 hour advance low battery and automatic power off		
<b>Temperature</b>	Range: 5 to 40°C Resolution: 0.1°C or 0.1°F Accuracy: ±0.5°C		
<b>Temperature Compensation</b>	Automatic; 5 to 40°C		
<b>Display</b>	LCD with Temperature		
<b>IP Rating</b>	IP52		
<b>pH</b>	Suggested Range: 5.0 to 9.0 pH Range: 2.0 to 12.0 pH Resolution: 0.1 pH Accuracy: ±0.1 pH	Range: 2.0 to 12.0 pH Resolution: 0.1 pH Accuracy: ±0.1 pH	Range: 2.00 to 12.00 pH Resolution: 0.01 pH Accuracy: ±0.02 pH
<b>Calibration</b>	1-point	1-, 2-, or 3-point	1-, 2-, or 3-point
<b>Automatic Buffer Recognition</b>	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
<b>Dimensions</b>	145 x 28 x 18mm ( 5-1/2 L x 1-1/8" W x 5/8" H)		
<b>Weight</b>	52 g (0.14 lbs.) -meter only		

\*Specifications subject to change without notice.

## Ordering Information

### miniLab Pocket pH Meters with color-coded buffer sets

- H120** miniLab Pocket pH Meter with 1-point calibration  
**H125** miniLab Pocket pH Meter with 1-, 2- or 3-point calibration  
**H128** miniLab Advanced Pocket pH Meter with 1-, 2- or 3-point calibration

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

### Accessories

- 2889900** Calibration Buffer Set for the H120 pH miniLab Meter  
pH 7.00 calibrating buffer. Includes three 15 mL dropper bottles
- 2889800** Calibration Buffer Set for the H125 and H128 miniLab Meters  
pH 4.00, pH 7.00 and pH 10.00 calibrating buffers. Includes three 15 mL dropper bottles of each buffer.
- RF01-01** Replacement Reference Electrode for the H120, H125, H128

Replaceable  
reference electrode



Lit. No. 2658

K91.5 Printed in U.S.A.

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In the interest of improving and updating its equipment, Hach Company reserves the right to alter specifications to equipment at any time.

*At Hach, it's about learning from our customers and providing the right answers. It's more than ensuring the quality of water—it's about ensuring the quality of life. When it comes to the things that touch our lives...*

*Keep it pure.*

*Make it simple.*

*Be right.*

*For current price information, technical support, and ordering assistance, contact the Hach office or distributor serving your area.*

*In the United States, contact:*

HACH COMPANY World Headquarters  
P.O. Box 389  
Loveland, Colorado 80539-0389  
U.S.A.  
Telephone: 800-227-4224  
Fax: 970-669-2932  
E-mail: orders@hach.com  
**www.hach.com**

*U.S. exporters and customers in Canada, Latin America, sub-Saharan Africa, Asia, and Australia/New Zealand, contact:*

HACH COMPANY World Headquarters  
P.O. Box 389  
Loveland, Colorado 80539-0389  
U.S.A.  
Telephone: 970-669-3050  
Fax: 970-461-3939  
E-mail: intl@hach.com  
**www.hach.com**

*In Europe, the Middle East, and Mediterranean Africa, contact:*

HACH LANGE GmbH  
Willstätterstraße 11  
D-40549 Düsseldorf  
GERMANY  
Tel: +49 (0) 211 5288-0  
Fax: +49 (0) 211 5288-143  
E-mail: info@hach-lange.de  
**www.hach-lange.com**



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