



# 60-Z Series Smart Pocket Testers

pH | Conductivity | TDS | Salinity | Resistivity | ORP | Temp.

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- ◆ PC60-Z Smart pH/Cond. Tester
- ◆ PH60-Z Smart pH Tester
- ◆ PH60S-Z Smart Spear pH Tester
- ◆ PH60F-Z Smart Flat pH Tester
- ◆ ORP60-Z Smart ORP Tester
- ◆ EC60-Z Smart Conductivity Tester



**Complete Kit**

## Technical Specifications

| Parameter                              | Model                          | PC60-Z  | PH60-Z                                | PH60S-Z                            | PH60F-Z                 | EC60-Z                          | ORP60-Z  |           |
|--|--------------------------------|---|---------------------------------------|------------------------------------|-------------------------|---------------------------------|----------|-----------|
| pH                                     | Range                          | -2.00 to 16.00 pH   |                                       |                                    |                         |                                 | N/A      |           |
|  | Accuracy                       | ±0.01 pH ±1 digit   |                                       |                                    |                         |                                 | N/A      |           |
|  | Calibration                    | 1 to 3 points Auto. Calibration (recognizes 5 types of standards) |                                       |                                    |                         |                                 | N/A      |           |
| mV (ORP)                               | Range                          | ±1000 mV  |                                       |                                    |                         |                                 | N/A      | ±1000 mV  |
|  | Accuracy                       | ±0.2% F.S   |                                       |                                    |                         |                                 |          | ±0.2% F.S |
| Cond. (EC)                             | Range                          | 0 to 20 mS/cm   | N/A                                   |                                    |                         | 0 to 20 mS/cm                   | N/A      |           |
|  | Accuracy                       | ±1% F.S   | N/A                                   |                                    |                         | ±1% F.S                         |          |           |
|  | Calibration                    | 1 to 3 points Auto. Calibration                                   | N/A                                   |                                    |                         | 1 to 3 points Auto. Calibration |          |           |
| TDS                                    | Range                          | 0 ppm to 10.0 ppt   | N/A                                   |                                    |                         | 0 ppm to 10.0 ppt               | N/A      |           |
|  | TDS Factor                     | 0.4 to 1.0  | N/A                                   |                                    |                         | 0.4 to 1.0                      |          |           |
| Salinity                               | Range                          | 0 to 10.0 ppt   | N/A                                   |                                    |                         | 0 to 10.0 ppt                   | N/A      |           |
| Resistivity                            | Range                          | 500-cm to 20MΩ-cm   | N/A                                   |                                    |                         | 500 to 20MΩ                     | N/A      |           |
| Temp.                                  | Range                          | 0 to 50 °C (32 to 122 °F)   |                                       |                                    |                         |                                 | N/A      |           |
| Others                                 | Application                    | Regular water solutions   | Soft solid sampling                   | Flat surface & small-volume liquid | Regular water solutions |                                 |          |           |
|  | Temp. Compensation             | Automatic 0 to 50 °C (32 to 122 °F)                               |                                       |                                    |                         |                                 | N/A      |           |
|  | IP Rating                      | IP67 Waterproof and Dustproof                                     |                                       |                                    |                         |                                 | N/A      |           |
|  | Power Supply                   | DC3V AAA batteries x4 (up to 1000 hours of operation)             |                                       |                                    |                         |                                 | N/A      |           |
|  | Compatible Probes              | All   | PH60-DE, PH60S-DE, PH60F-DE, ORP60-DE | EC60-DE                            |                         |                                 | ORP60-DE |           |
|  | Alarm Function                 | Yes (customizable on ZenTest App)                                 |                                       |                                    |                         |                                 | N/A      |           |
|  | Automatic Hold                 | Yes (5 to 20 seconds, customizable on ZenTest App)                |                                       |                                    |                         |                                 | N/A      |           |
|  | Calibration Reminder           | Yes (by hours/days, customizable on ZenTest App)                  |                                       |                                    |                         |                                 | N/A      |           |
|  | Four display modes             | Yes   |                                       |                                    |                         |                                 | N/A      |           |
|  | Cloud data management          | Yes   |                                       |                                    |                         |                                 | N/A      |           |
| ZenTest App (Bluetooth, iOS & Android) | Smart self-diagnosis           | Yes   |                                       |                                    |                         |                                 | N/A      |           |
|  | Step-by-step calibration guide | Yes   |                                       |                                    |                         |                                 | N/A      |           |

### Probe Features

| Probe Model             | PH60-DE                        | PH60F-DE                         | PH60S-DE                    | ORP60-DE                               | EC60-E                         | PC60-DE                           |
|-------------------------|--------------------------------|----------------------------------|-----------------------------|--|--------------------------------|-----------------------------------|
| Default Meter           | PH60-Z                         | PH60F-Z                          | PH60S-Z                     | ORP60-Z                                | EC60-Z                         | PC60-Z                            |
| Other Compatible Meters | PH60F-Z<br>PH60S-Z<br>PC60-Z   | PH60-Z<br>PH60S-Z<br>PC60-Z      | PH60-Z<br>PH60F-Z<br>PC60-Z | PH60-Z<br>PH60F-Z<br>PH60S-Z<br>PC60-Z | PC60-Z                         | /                                 |
| Probe Type              | Glass Bulb                     | Flat sensor                      | Spear sensor                | Platinum needle                        | Platinum Black                 | pH+Cond.                          |
| Applications            | Regular water Solution pH Test | Surface and small-volume pH Test | Soft solid sampling pH Test | ORP Test                               | Conductivity/TDS/Salinity Test | pH/Conductivity TDS/Salinity Test |

Shanghai San-Xin Instrumentation, Inc.  
(Shanghai Apera Instruments Co., Ltd.)  
Add: 4F, Building #16, No.481 Guiping Rd  
Shanghai China  
Tel: +86-21-63362480  
E-mail: wxmab@shsan-xin.com  
Website: www.shsan-xin.com

Apera Instruments, LLC (U.S.A)  
Add: 6656 Busch Blvd,  
Columbus Ohio 43229  
Tel: +1-614-285-380  
Email: info@aperainst.com  
Website: www.aperainst.com

Apera Instruments, GmbH (Europe)  
Add: Wilhelm-Muthmann-StraBe.15  
42329 Wuppertal Germany  
Tel: +49 (0)202 51988998  
Email: info@aperainst.de  
Website: www.aperainst.de



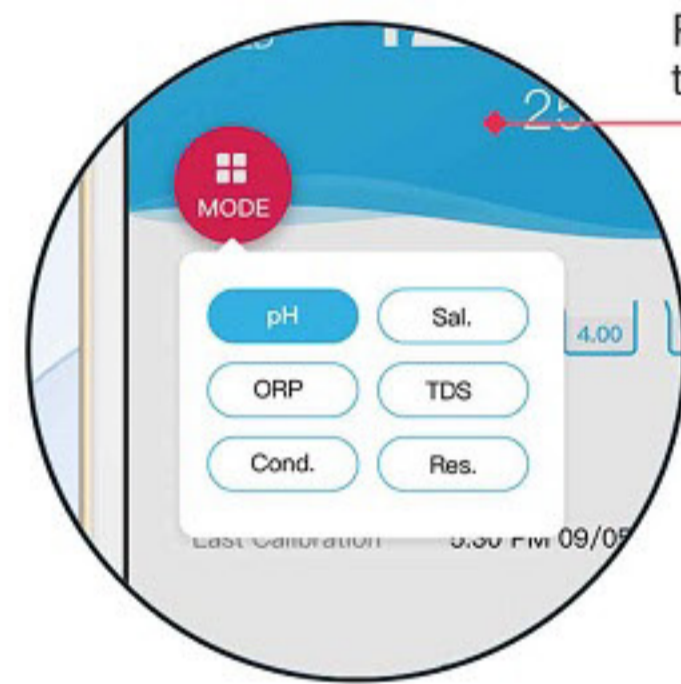


# ZenTest Mobile App (iOS/Android) Features

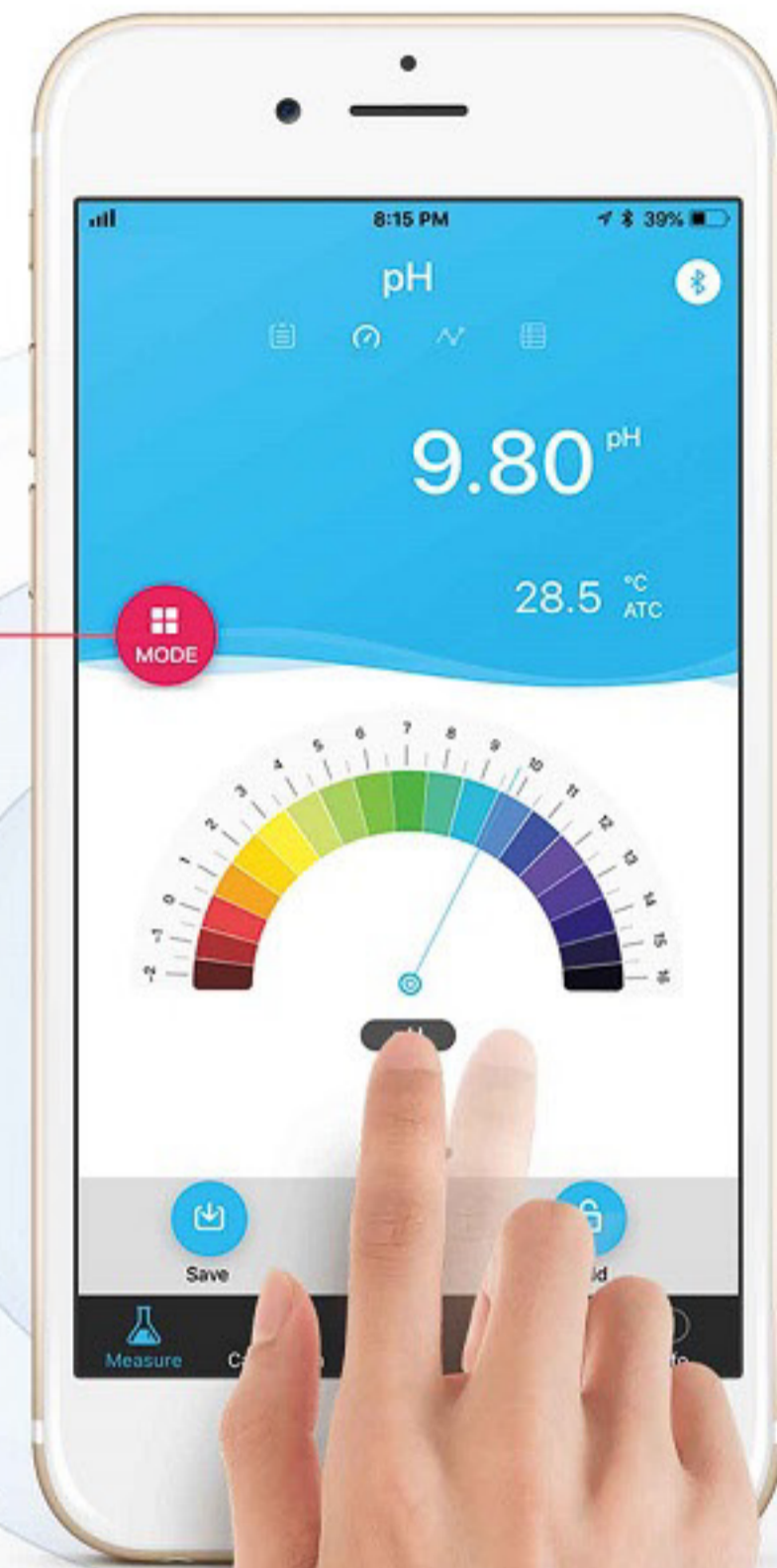
pH | Conductivity | TDS | Salinity | Resistivity | ORP | Temperature

# Features of 60-Z Series Sensors and Instruments

## 01 Four Display Modes

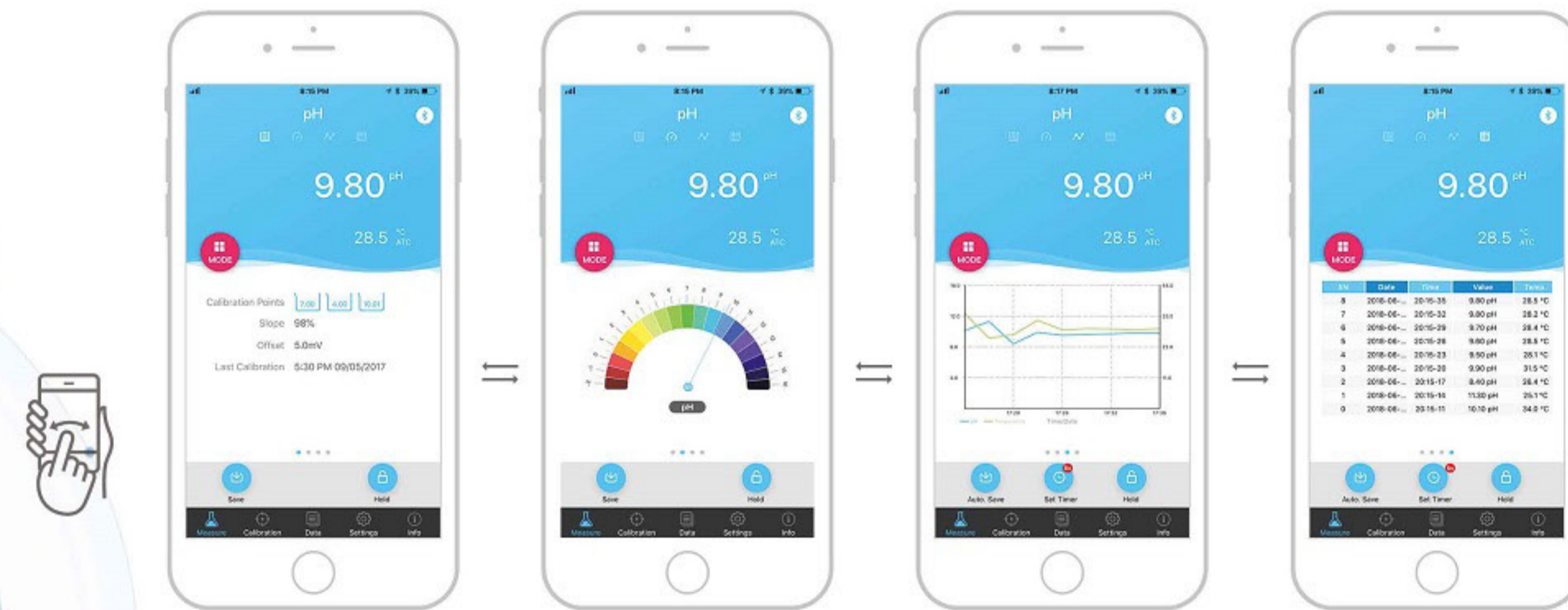


Press MODE to switch to different parameters



Press + to enter calibration mode

Press to enter data management



### Simple Mode

Learn about calibration in formation

Manual Datalogger

### Dial Mode

Vivid display of measuring values

Manual Datalogger

### Graph Mode

Showing the trend of measurements

Auto. Timing Datalogger

### Table Mode

Showing real-time measuring data

Auto. Timing Datalogger

## 02 Step-by-Step Operation Guide



Take notes on data sets with name, memo, and a photo

Display data sets with specific mode by serial numbers

## 03 Powerful Cloud-based Data Management

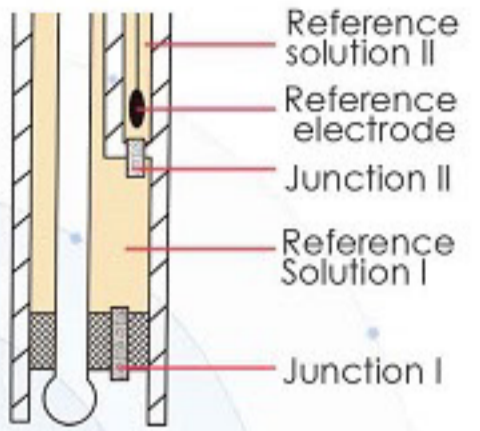
- GPS Location
- Sample Name
- Admin Name
- Notes
- Photo

## 04 Smart Controlling

- Two-way controlling – can be used as a conventional tester without smart phones
- Smart operation reminders and self-diagnosis
- Electrode health condition reminder – helps you determine when to replace the electrode
- Instant data sharing via email on your phone
- Organize datasets into different folders at ease
- Alarm function – notify you of any values exceeding your preset range
- Manual/Automatic Hold function
- Calibration reminder

### 1 pH/ORP electrodes adopt double-junction structure – ideal for measuring complex or dirty solutions, and effectively extends electrode's service life

Double-junction reference electrodes have two junctions and two reference solutions. Junction II will not contact test solutions so that junction II will not be contaminated by test solutions, which in turn maintains a stable electric potential. Additionally, reference solution I does not contain silver ion, which can significantly reduce junction clogging.



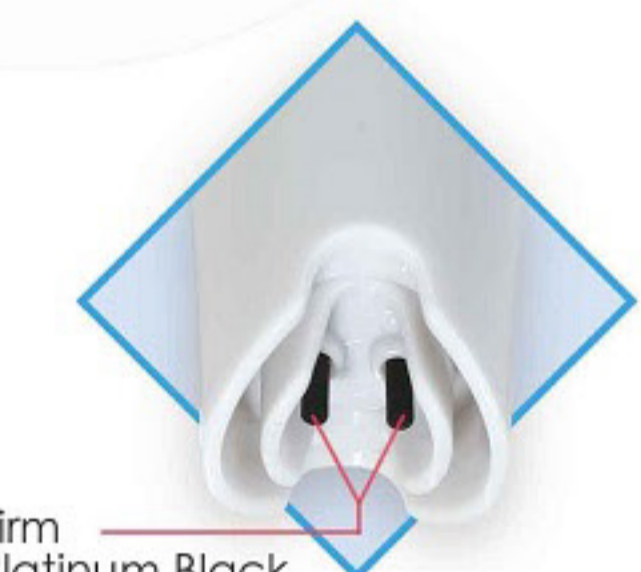
### 2 pH electrodes adopt blue gel inner solution – Say goodbye to air bubbles



The inner solutions in pH electrode's glass bulbs are usually in liquid form, which could generate air bubbles from time to time when using. If not removed properly, the air bubble could cause meter's malfunctioning. The 60-Z series pH electrodes adopt a unique blue gel inner solution, which would not flow and never generates air bubbles. The meter can function well even when being placed upside down.

### 3 Conductivity electrodes adopt firm platinum black coated sensors – accurate and durable

The platinum black coating process is the most effective method to reduce polarization of conductivity electrodes and extend the measuring range. However, the traditional platinum black coating is very soft. A slight wipe will damage the coating and cause the conductivity electrode to fail. 60-Z series conductive electrodes use a special process to make the platinum black coating firm and resistant to brushes, generating accurate performance in a wide measuring range. The electrode can be cleaned with a soft brush in warm soap water



### 4 Instrument's Functions



The probe is easy to replace, saving money in the long run



IP67 waterproof and dustproof

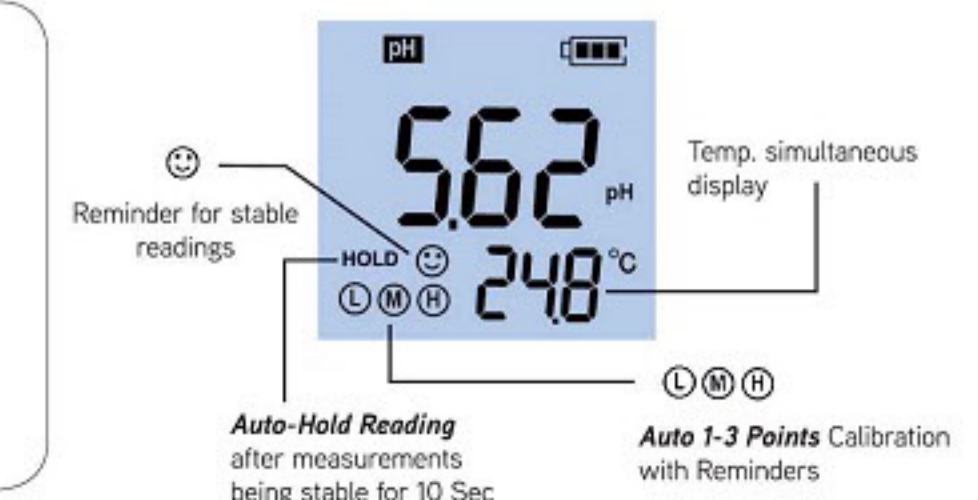


Easy calibration with the meter standing in the case



Powered by 4\*AAA batteries, up to 1000 hours of operation

### 5 3-Color Backlit Display



Reminder for stable readings  
Auto-Hold Reading after measurements being stable for 10 Sec  
Temp. simultaneous display  
Auto 1-3 Points Calibration with Reminders