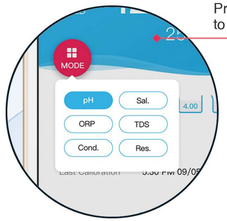
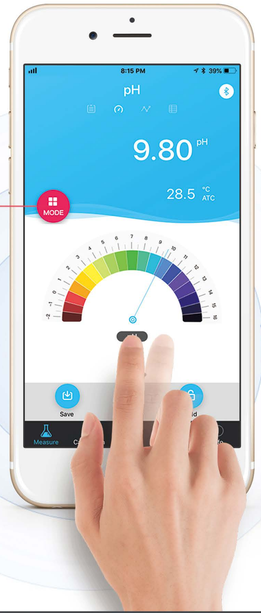
ZenTest Mobile App (iOS/Android) Features

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

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

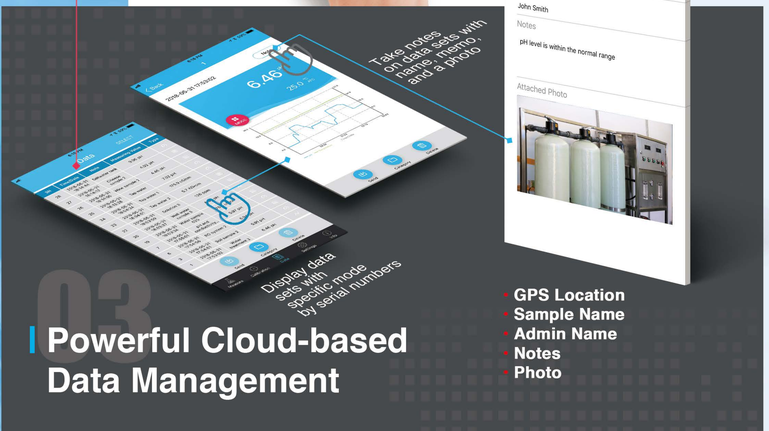
Dial Mode
Vivid display of measuring values
Manual Datalogger

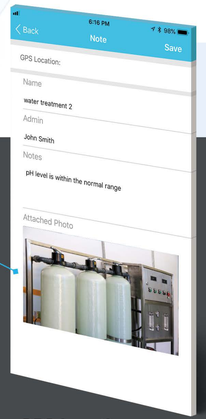
Graph Mode
Showing the trend of measurements
Auto. Timing Datalogger

Table Mode
Showing real-time measuring data
Auto. Timing Datalogger

02 Step-by-Step Operation Guide

03 Powerful Cloud-based Data Management





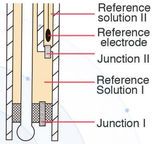
- **GPS Location**
- **Sample Name**
- **Admin Name**
- **Notes**
- **Photo**

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

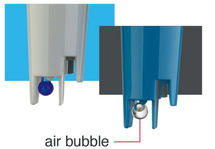
Features of 60-Z Series Sensors and Instruments

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.

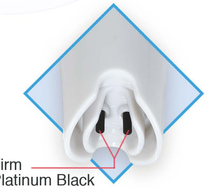
2 pH electrodes adopt blue gel inner solution – Say goodbye to air bubbles



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 bubblett 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.



4 Instrument's Functions

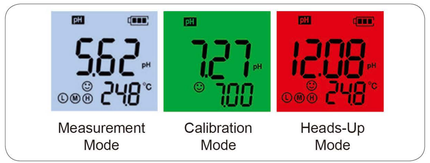
The probe is easy to replace, saving money in the long run

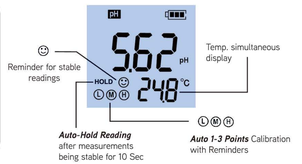
IP67 waterproof and dustproof

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





60-Z Series Smart Pocket Testers

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

- 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

Probe Features	PH60-DE	PH60F-DE	PH60S-DE	ORP60-DE	EC60-E	PC60-DE
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 PH60S-Z PC60-Z	PH60-Z PH60S-Z PC60-Z	PH60-Z PH60F-Z PC60-Z	PH60-Z PH60F-Z PH60S-Z 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

60-Z Series Smart Pocket Testers

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					
	Calibration	1 to 3 points Auto. Calibration (recognizes 5 types of standards)					
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				±1% F.S	
	Calibration	1 to 3 points Auto. Calibraiton				1 to 3 points Auto. Calibraiton	
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				0.4 to 1.0	
Salinity	Range	0 to 10.0 ppt				0 to 10.0 ppt	
Resistivity	Range	50Ω-cm to 20MΩ-cm				50Ω to 20MΩ	
Temp.	Range	0 to 50°C (32 to 122°F)					
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					
	Power Supply	DC3V AAA batteries x4 (up to 1000 hours of operation)					
	Compatible Probes	All	PH60-DE, PH60S-DE, PH60F-DE, ORP60-DE			EC60-DE	ORP60-DE
	Alarm Function	Yes (customizable on ZenTest App)					
	Automatic Hold	Yes (5 to 20 seconds, customizable on ZenTest App)					
	Calibration Reminder	Yes (by hours/days, customizable on ZenTest App)					N/A
ZenTest App (Bluetooth, iOS & Android)	Four display modes	Yes					
	Cloud data management	Yes					
	Smart self-diagnosis	Yes					
	Step-by-step calibration guide	Yes					

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

APERA INSTRUMENTS

60-Z Series Smart Pocket Testers

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

ZENTEST™