

## KingSom Test-W

# KingSom 2025 Upgrade Smart Pool Monitor User Manual

Model: Test-W

## 1. INTRODUCTION

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Thank you for choosing the KingSom 2025 Upgrade Smart Pool Monitor. This device is designed to provide accurate and continuous monitoring of your pool, spa, or hot tub water quality. With its 7-in-1 detection capabilities and smart WiFi connectivity, you can easily maintain a balanced and healthy aquatic environment. This manual provides essential information for setup, operation, and maintenance of your new monitor.

## 2. PRODUCT FEATURES

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- **7-in-1 Multifunctional Monitoring:** Measures pH, Chlorine (CL), ORP, TDS, UV, LSI, and Temperature for comprehensive water analysis.
- **Smart WiFi Connectivity:** Connects to a dedicated app for real-time data access, historical trend analysis, and remote monitoring.
- **Continuous Monitoring:** Provides instant insights into water parameters, syncing results directly to your mobile application.
- **Personalized Alert System:** Allows customization of measurement thresholds with immediate alerts for out-of-range data.
- **Wide Application:** Suitable for various water bodies including swimming pools, hot tubs, spas, aquariums, and hydroponic systems.
- **Easy-Swap Battery:** Features a convenient battery compartment for simple replacement of 2\*AA batteries.
- **IPX8 Waterproof Rating:** Designed for continuous submersion in water.

# 2025 UPGRADED 7 IN 1 Smart Pool Monitor



Image: The KingSom Smart Pool Monitor highlighting its 7-in-1 measurement capabilities: pH, ORP, CL, LSI, UV, TDS, and Temperature.

## 3. SETUP GUIDE

### 3.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Inspect the device for any visible damage. Ensure all listed accessories are present.

### 3.2 Battery Installation

1. Unscrew the top cover of the monitor by turning it counter-clockwise.
2. Gently pull out the battery compartment.
3. Insert 2\*AA batteries, ensuring correct polarity (+/-).
4. Reinsert the battery compartment and screw the top cover back on tightly to ensure a waterproof seal.

# EASY-SWAP BATTERY

Enjoy your pool time



\* PULL IT OUT

**2500mAh**  
Battery

**IPX8**  
Waterproof



Image: Visual guide for easy battery replacement, showing the unscrewing of the top cover and removal of the battery compartment.

## 3.3 App Download and Connection

1. Download the KingSom Smart Pool Monitor app from your device's app store (iOS/Android).
2. Register or log in to your account.
3. Follow the in-app instructions to add your new device. Ensure your monitor is powered on and within WiFi range.
4. Confirm successful connection through the app interface.



Image: A user relaxing by a pool, monitoring water quality in real-time via the KingSom app on their smartphone, illustrating seamless WiFi connectivity.

### 3.4 Initial Calibration

For accurate readings, initial calibration is crucial. The monitor supports dual calibration with pre-mixed pH 4.0 and pH 7.0 solutions (included). Always start with pH 7.0 solution followed by pH 4.0 solution.

1. Remove the electrode protection cap from the sensor probe.
2. Follow the specific calibration steps detailed within the KingSom app for pH 7.0.
3. Rinse the probe with distilled water.
4. Proceed with calibration for pH 4.0 as guided by the app.
5. Ensure the probe is clean and dry before placing the monitor in water.



Image: The KingSom Smart Pool Monitor in a pool setting, accompanied by pH calibration powders and a smartphone displaying the monitoring app interface.

# NEWEST SENSOR PRECISE MEASUREMENT

**±0.5** Temperature Accuracy

① TEMP (°F/°C)

② PH

③ TDS

④ ORP

⑤ GND



🔊 Before Calibration or Use,  
Remove the Electrode Protection Cap!

Image: Detailed view of the monitor's sensor probe, indicating the various measurement points for temperature, pH, TDS, ORP, and GND. Remember to remove the electrode protection cap before use.

## 4. OPERATING INSTRUCTIONS

### 4.1 Powering On the Device

To power on the KingSom Smart Pool Monitor, long press the power button located on the device. A light indicator will confirm it is active.

### 4.2 Real-time Monitoring

Once powered on and connected to the app, the monitor will continuously measure water parameters. Open the KingSom app on your smartphone to view real-time data. The app displays current readings for pH, Chlorine, ORP, TDS, UV, LSI, and Temperature.

### 4.3 Understanding Readings and Ideal Ranges

Refer to the table below for ideal ranges of each parameter. Maintaining water within these ranges is essential for a

healthy and safe environment.

Parameter	Test Range	Ideal Range
LSI	-0.3 to +0.3	-0.3 to +0.3
UV	0-15	0-8
pH	1-13ph	7.2-7.8ph
ORP	0-999mv	650-750mv
TDS	0-9000ppm	300-2000ppm
Temperature	32-122°F (0-50°C)	75-86°F (23-30°C)
Chlorine (CL)	N/A	1-3ppm



## PROFESSIONAL POOL MONITOR

keep your pool perfectly balanced!

### Parameter Setting

	Test Range	Ideal Range
<b>LSI</b> <span style="font-size: small; color: green; border: 1px solid green; border-radius: 50%; padding: 2px;">NEW</span>	Langelier Saturation Index Ideal Range: -0.3 to +0.3	
<b>UV</b> <span style="font-size: small; color: green; border: 1px solid green; border-radius: 50%; padding: 2px;">NEW</span>	0-15	0-8
<b>PH</b>	1-13ph	7.2-7.8ph
<b>ORP</b>	0-999mv	650-750mv
<b>TDS</b>	0-9000ppm	300-2000ppm
<b>TEM</b>	32-122°F 0-50°C	75-86°F 23-30°C
<b>CL</b>	Ideal Range: 1-3ppm	

Image: A table detailing the test ranges and ideal ranges for various water parameters measured by the KingSom Smart Pool Monitor.

## 4.4 Setting Personalized Alerts

Within the KingSom app, you can set custom maximum and minimum thresholds for each parameter (CL, pH, UV, ORP, Temperature, TDS). If a reading falls outside your set range, the app will display a prominent red exclamation mark and send immediate alerts, allowing you to take prompt action.

## 5. MAINTENANCE

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### 5.1 Sensor Cleaning

Regularly clean the sensor probe to ensure accurate readings. Gently wipe the probe with a soft, damp cloth. For stubborn deposits, use a mild cleaning solution specifically designed for sensor probes, then rinse thoroughly with distilled water.

### 5.2 Calibration Frequency

It is recommended to recalibrate the pH sensor periodically, especially if you notice inconsistent readings or after prolonged periods of non-use. Follow the in-app calibration guide for best results.

### 5.3 Battery Replacement

When the battery level is low, the app will notify you. Replace the batteries as described in Section 3.2 to ensure continuous operation.

## 6. TROUBLESHOOTING

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If you encounter issues with your KingSom Smart Pool Monitor, please refer to the following common solutions:

- **Device Not Powering On:** Ensure batteries are correctly installed and fully charged. Long press the power button firmly.
- **No Data in App / Connectivity Issues:**
  - Check if the monitor is within range of your WiFi router (up to 262ft/80m).
  - Verify your home WiFi network is active and stable.
  - Restart the monitor and your smartphone.
  - Ensure the app has necessary permissions on your phone.
- **Inaccurate Readings:**
  - Perform a calibration as described in Section 3.4.
  - Clean the sensor probe thoroughly.
  - Ensure the electrode protection cap is removed during operation.
- **App Freezing or Crashing:**
  - Ensure your app is updated to the latest version.
  - Clear the app's cache or reinstall the app.
  - Check your smartphone's operating system for updates.

## 7. SPECIFICATIONS

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- **Product Dimensions:** 2 x 2 x 2 inches
- **Item Weight:** 1.46 pounds

- **Manufacturer:** KingSom
- **ASIN:** B0F62WFJH1
- **Item Model Number:** Test-W
- **Batteries:** 2\*AA batteries required (included)
- **Waterproof Rating:** IPX8
- **Temperature Accuracy:**  $\pm 0.5^{\circ}\text{C}$

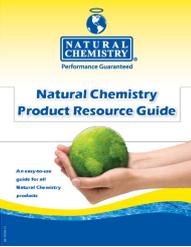
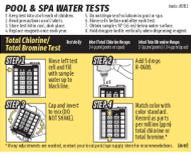
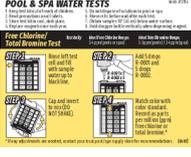


Image: The KingSom Smart Pool Monitor demonstrating its wide applicability in different water settings, including chlorine pools, saltwater pools, hot tubs, and ponds.

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your product packaging or visit the official KingSom website. Please have your model number (Test-W) and purchase details ready when contacting support.

## Related Documents - Test-W

	<p><a href="#">TESTER Chlorine-pH Pool Water Test Kit: Instructions and Guide</a></p> <p>Comprehensive instructions for the TESTER Chlorine-pH pool water test kit. Learn how to measure free chlorine (0.5-6 mg/l) and pH (6.8-8.2) using DPD No.1 and Phenol Red tablets. Includes important usage tips, cautions, and safety information for pool maintenance.</p>
	<p><a href="#">Mxmoonant Electric Pool Heater 3 KW H30-R1-W User Manual and Instructions</a></p> <p>Comprehensive user manual and safety instructions for the Mxmoonant Electric Pool Heater 3 KW (Model H30-R1-W). Learn about installation, operation, troubleshooting, and safety precautions for your pool or hot tub heater.</p>
	<p><a href="#">Natural Chemistry Product Resource Guide: Pool &amp; Spa Water Treatment Solutions</a></p> <p>Explore the comprehensive Natural Chemistry Product Resource Guide for effective pool and spa water treatment solutions. Discover enzyme-based cleaners, phosphate removers, scale inhibitors, and more for pristine water quality.</p>
	<p><a href="#">Arctic Spas Chlorine Start-Up Guide</a></p> <p>A comprehensive guide to starting up and maintaining your Arctic Spa with a chlorine system, covering water volume, filter installation, chlorine startup, and ongoing maintenance.</p>
	<p><a href="#">Pool and Spa Water Testing Guide: Chlorine, Bromine, and pH</a></p> <p>Comprehensive instructions for testing pool and spa water quality, covering total chlorine, total bromine, and pH levels using Taylor Technologies test kits.</p>
	<p><a href="#">Taylor Pool &amp; Spa Water Testing Guide: Chlorine, Bromine, pH</a></p> <p>Step-by-step instructions for testing pool and spa water with Taylor Technologies test kits. Covers Free Chlorine, Total Bromine, and pH testing, including ideal ranges and precautions.</p>

Documents - KingSom – Test-W

no relevant documents