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› AIPER HydroComm Pro Smart Pool Monitor (Model WTW2P) User Manual

AIPER WTW2P

AIPER HydroComm Pro Smart Pool Monitor User Manual

Model: WTW2P

1. INTRODUCTION

The AIPER HydroComm Pro is an advanced smart pool monitor designed to provide real-time water quality measurements for pools, hot tubs, and spas. It features 5-in-1 water testing capabilities and integrates with the AIPER app for remote control and data analysis. This manual provides essential information for the proper setup, operation, and maintenance of your device.



Image 1.1: AIPER HydroComm Pro Smart Pool Monitor, showing the main unit, two interchangeable probes, and a smartphone displaying the AIPER app.

2. WHAT'S IN THE BOX

- 1x AIPER HydroComm Pro Unit
- 1x Charger
- 1x Lanyard
- 1x User Manual

3. SETUP

3.1 Initial Charging

Before first use, ensure the HydroComm Pro is fully charged. The device supports both solar charging and DC charging.

Place the unit in direct sunlight or connect the provided charger to a power source and the device's charging port.

3.2 App Download and Pairing

1. Download the official AIPER app from your device's app store.
2. Create an account or log in.
3. Follow the in-app instructions to connect the HydroComm Pro via Wi-Fi and Bluetooth. Ensure your device is within range of your Wi-Fi network during setup.

3.3 Probe Installation

Carefully attach the water testing probes to the bottom of the HydroComm Pro unit. Ensure they are securely fastened to prevent water ingress and ensure accurate readings.

3.4 Calibration

For optimal accuracy, calibrate the HydroComm Pro before initial use and periodically thereafter. The app will guide you through the calibration process.

1. Pour 250ml of purified drinking water into a clean cup.
2. Add one packet of pH powder and stir until fully dissolved.
3. Immerse the probe into the solution and start calibration via the app.
4. Calibration typically takes 3-5 minutes. Do not shake the solution or remove the probe until the process is complete.
5. Confirm calibration success in the app.

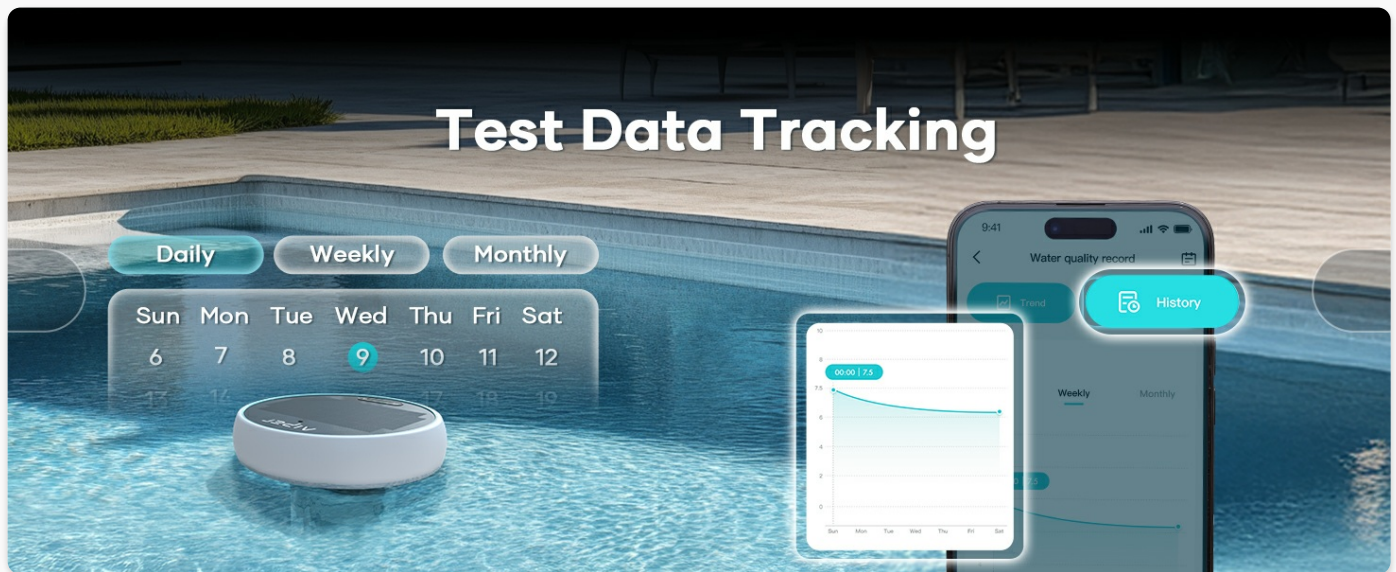


Image 3.1: Step-by-step guide for calibrating the HydroComm Pro using the AIPER app.

4. OPERATING INSTRUCTIONS

4.1 Water Quality Monitoring

The HydroComm Pro continuously monitors five key water parameters:

- **pH:** Measures acidity or alkalinity (Range: 6.5-8.5 recommended, device range 0-14).
- **ORP (Oxidation-Reduction Potential):** Indicates sanitizer effectiveness (Range: 0-1000 mV).
- **EC (Electrical Conductivity):** Measures dissolved solids (Range: 0-12000 $\mu\text{S}/\text{cm}$).
- **TDS (Total Dissolved Solids):** Measures total concentration of dissolved substances (Range: 0-6000 mg/L).
- **Temperature:** Water temperature (Range: 5°C-45°C).

All readings are displayed in real-time within the AIPER app. The app also provides personalized tips and recommendations based on the measured parameters to help maintain optimal water conditions.

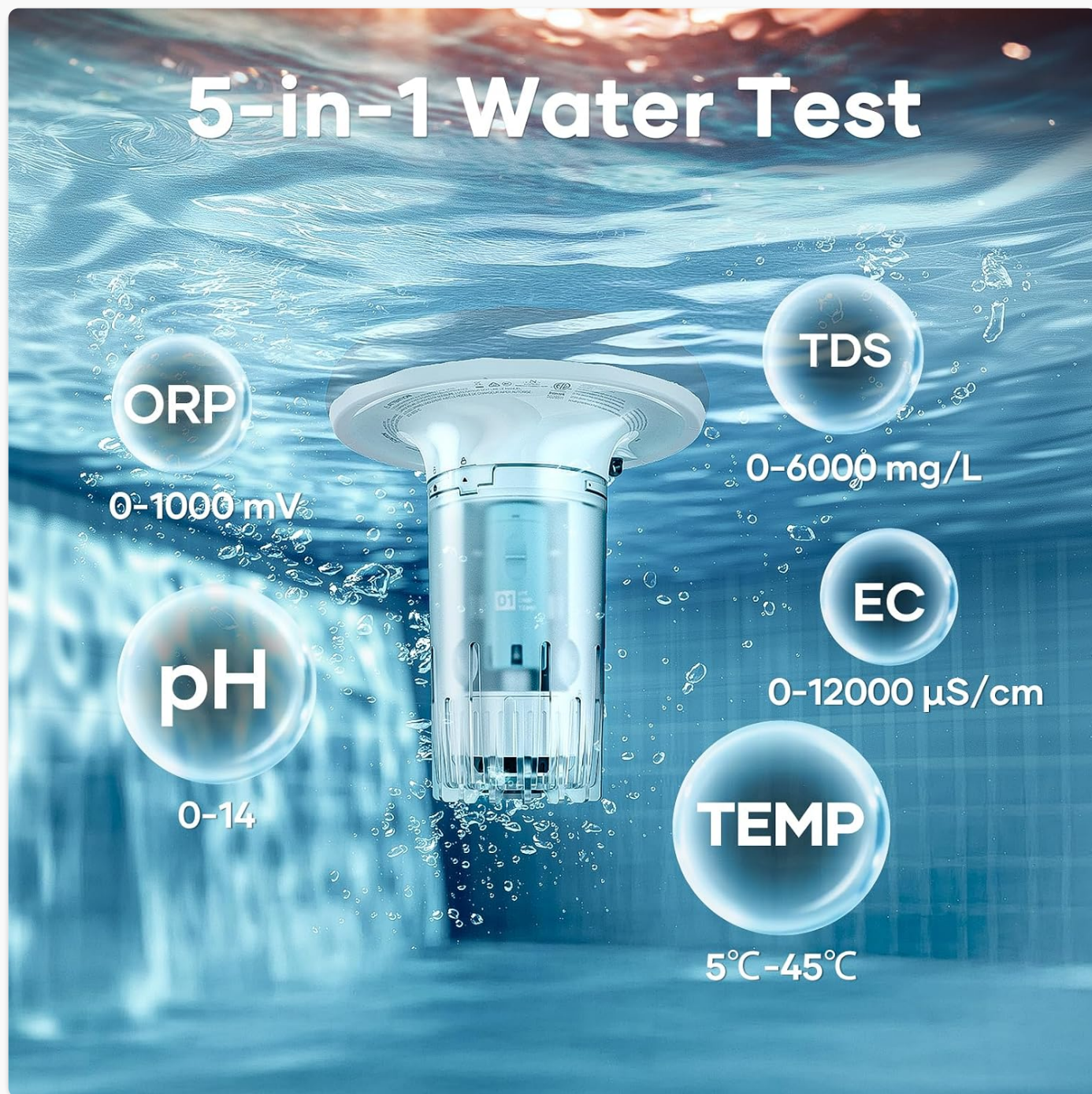


Image 4.1: Overview of the 5-in-1 water testing parameters and their ranges.



Image 4.2: Real-time water quality ratings and customized tips displayed in the AIPER app.

4.2 Underwater Communication with AIPER Pool Cleaners

The HydroComm Pro enables real-time communication with compatible AIPER pool cleaners, such as the Scuba X Series. This feature allows you to:

- **Switch Cleaning Modes:** Change cleaning modes (e.g., waterline, floor) directly from the AIPER app while the cleaner is underwater.
- **One-tap Retrieval:** Command your pool cleaner to return to the pool's surface with a single tap in the app.

Switch Cleaning Modes



Image 4.3: The HydroComm Pro facilitating cleaning mode changes for an AIPER Scuba X Series cleaner.

One-tap Retrieval



Image 4.4: The HydroComm Pro enabling one-tap retrieval of an AIPER Scuba X Series cleaner to the surface.

4.3 Continuous Monitoring and Data Tracking

The HydroComm Pro operates 24/7, providing continuous water quality monitoring. Its solar-powered design ensures non-stop performance in full sunlight, with automatic switching to DC charging on cloudy days. The AIPER app tracks historical data, offering valuable insights into water quality trends over time.

Data Tracking & Analysis

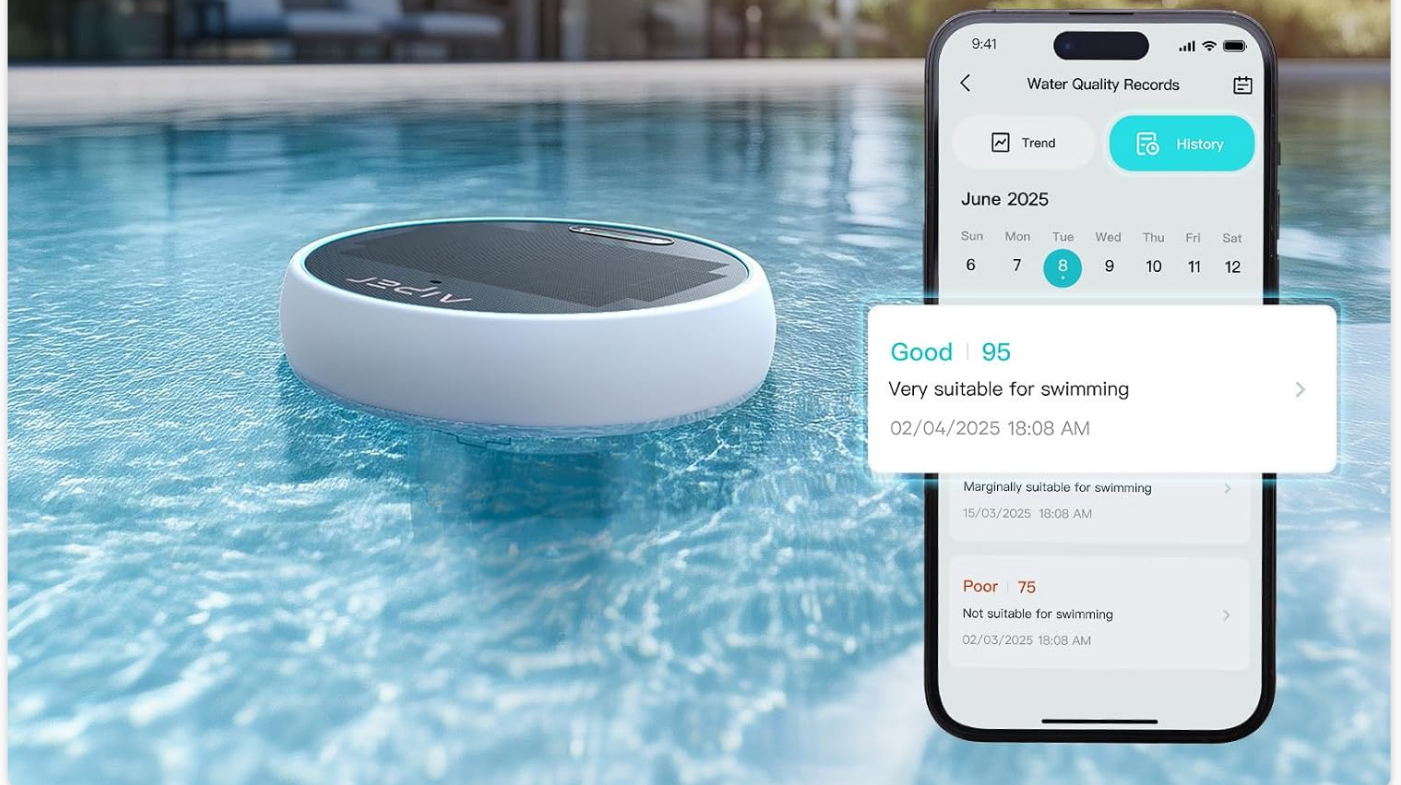


Image 4.5: Data tracking and analysis features within the AIPER app.

24/7 Continuous Monitoring

Powered by sun, for non-stop performance



Image 4.6: The HydroComm Pro providing 24/7 continuous monitoring, powered by solar energy.

5. MAINTENANCE

5.1 Cleaning the Probes

Regularly inspect and clean the probes to ensure accurate readings. Gently wipe the probes with a soft, damp cloth. Avoid using abrasive materials or harsh chemicals that could damage the sensors.

5.2 Recalibration

Recalibrate the device as needed, especially if you notice inconsistent readings or after prolonged periods of non-use. Refer to Section 3.4 for calibration instructions.

6. TROUBLESHOOTING

6.1 Inaccurate Readings

- **Recalibrate:** Perform a full calibration as described in Section 3.4.
- **Clean Probes:** Ensure probes are clean and free of debris or chemical buildup.
- **Check Water Flow:** Ensure the device is in an area with adequate water circulation.

6.2 Connectivity Issues (Wi-Fi/Bluetooth)

- **Check Signal:** Ensure the device is within range of your Wi-Fi router and your smartphone.
- **Restart Device/App:** Try restarting the HydroComm Pro and the AIPER app.
- **Re-pair:** Remove the device from the app and attempt to re-pair it.

6.3 Device Not Charging

- **Solar Charging:** Ensure the solar panel is clean and exposed to direct sunlight.
- **DC Charging:** Verify the charger is properly connected and the power outlet is functional.

If issues persist, please contact AIPER customer support for further assistance.

7. SPECIFICATIONS

Parameter	Value/Range
Model Number	WTW2P
Brand	AIPER
pH Range	0-14 (Recommended Pool pH: 6.5-8.5)
ORP Range	0-1000 mV
EC Range	0-12000 µS/cm
TDS Range	0-6000 mg/L
Temperature Range	5°C-45°C
Connectivity	Wi-Fi, Bluetooth
Power Source	Solar-powered, DC charging
Recommended Uses	Swimming Pool, Hot Tub, Spa
Date First Available	July 28, 2025

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The AIPER HydroComm Pro comes with an extended one-year warranty from the date of purchase. This warranty covers manufacturing defects and ensures the proper functioning of your device under normal use conditions.

8.2 Consumable Replacements

AIPER offers complimentary consumable replacements for eligible parts. Please refer to the AIPER Care program details

on the official AIPER website or app for more information.

8.3 Customer Support

For technical assistance, warranty claims, or any questions regarding your AIPER HydroComm Pro, please visit the official AIPER website or contact AIPER customer support through the contact information provided in the AIPER app or on their website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question