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› [Smart Aquarium Monitor All in One pH/ORP/Salt/S.G/TDS/EC/Temp 24h Online Freshwater and Saltwater Fish Tank Tester \(WiFi Version\) 7-in-1 wifi](#)

kactoil KY-YGWIFI-07US

Smart Aquarium Monitor User Manual

Brand: kactoil
Model: KY-YGWIFI-07US

1. Product Overview

The kactoil 7-in-1 Smart Aquarium Monitor is a versatile device designed for comprehensive water quality testing in various aquatic environments. It measures pH, Total Dissolved Solids (TDS), Electrical Conductivity (EC), Oxidation-Reduction Potential (ORP), Specific Gravity (S.G), Salinity, and Temperature. With Wi-Fi connectivity, you can monitor your fish tank, aquariums, saltwater, and hydroponic systems continuously and receive instant notifications via the Tuya Smart app.



Figure 1: The Kactöily 7-in-1 Smart Aquarium Monitor showing its main unit and mobile app interface.

2. What's in the Box

Upon unboxing your Smart Aquarium Monitor, ensure all components are present:

- Smart Aquarium Monitor Main Unit
- Water Probe (with protective cap)
- USB Power Adapter
- USB Cable
- pH Buffer Powders (for calibration)
- Acrylic Stand (for tank mounting)
- Suction Cups (for probe attachment)



Figure 2: Contents of the Kactöily Smart Aquarium Monitor package, including the main unit, probe, cables, and accessories.

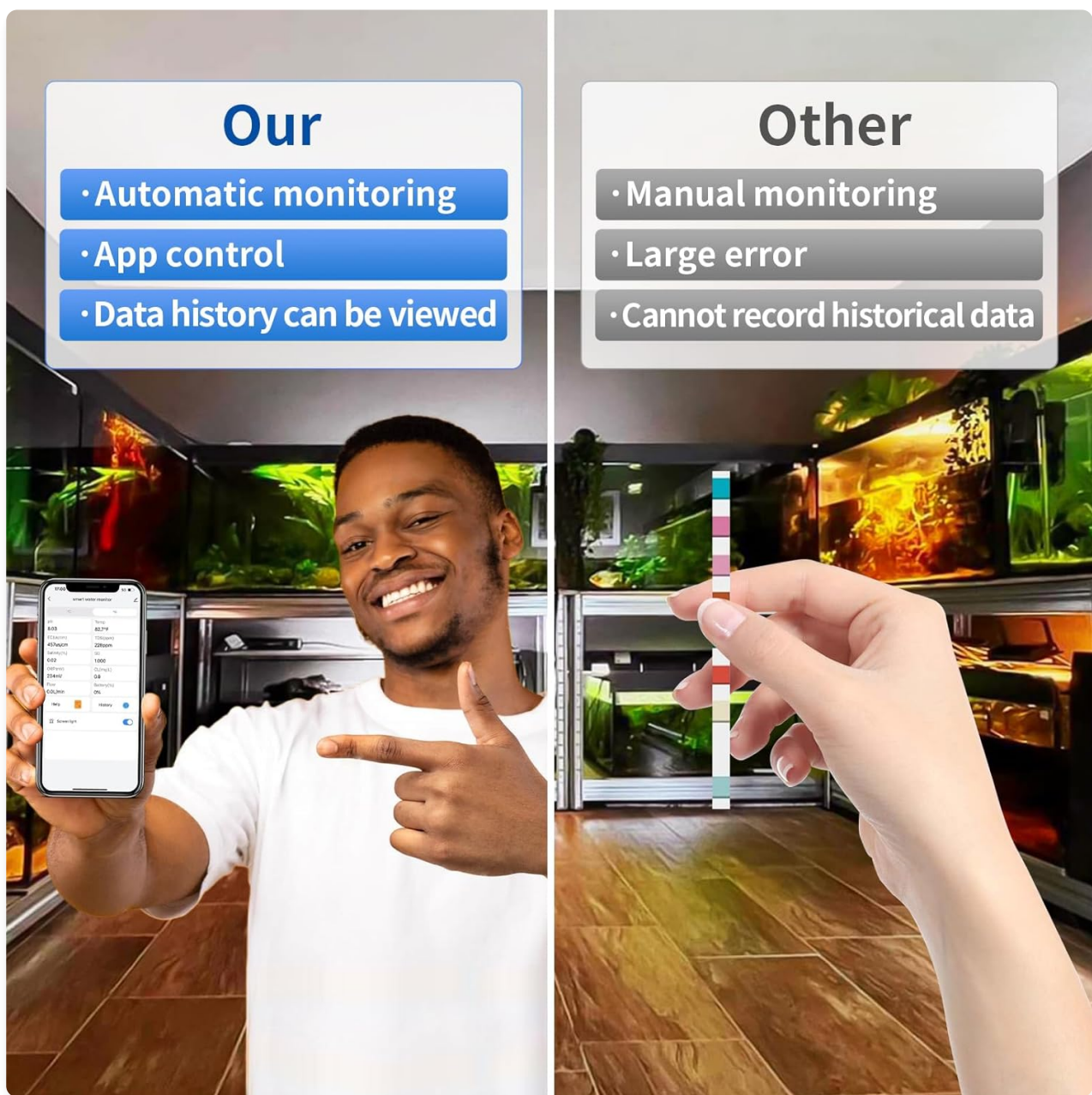


Figure 3: Detailed view of the monitor's components, highlighting the pH buffer powders and mounting accessories.

Video 1: An unboxing video of the Kactoilly Smart Aquarium Monitor, showcasing all included items and their initial appearance.

3. Setup

3.1 PHYSICAL INSTALLATION

Install the probe in your aquarium using the provided acrylic stand or suction cups. For accurate readings, place the probe in an area with consistent water flow, away from protein separators. Ensure the water level is maintained between the 'Max Level' and 'Min Level' indicators on the probe unit.



Figure 4: The monitor's probe unit submerged in an aquarium, demonstrating proper placement.

High-Precision Industrial-Grade Probes

- Enhance longevity
- Improve accuracy
- Underwater capability

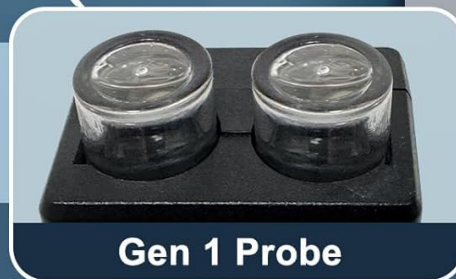
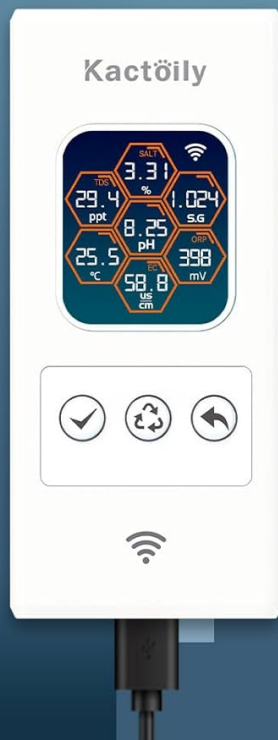


Figure 5: Close-up of the probe unit showing the 'Max Level' and 'Min Level' markings for optimal water level.



Figure 6: The acrylic stand and suction cups provided for secure installation of the monitor's probe unit.

3.2 APP & WI-FI CONNECTION

Download the 'Tuya Smart' app from your device's app store. Follow the in-app instructions to connect your monitor to your home Wi-Fi network. This enables 24/7 remote monitoring and access to all smart features.

Smart Aquarium Monitor

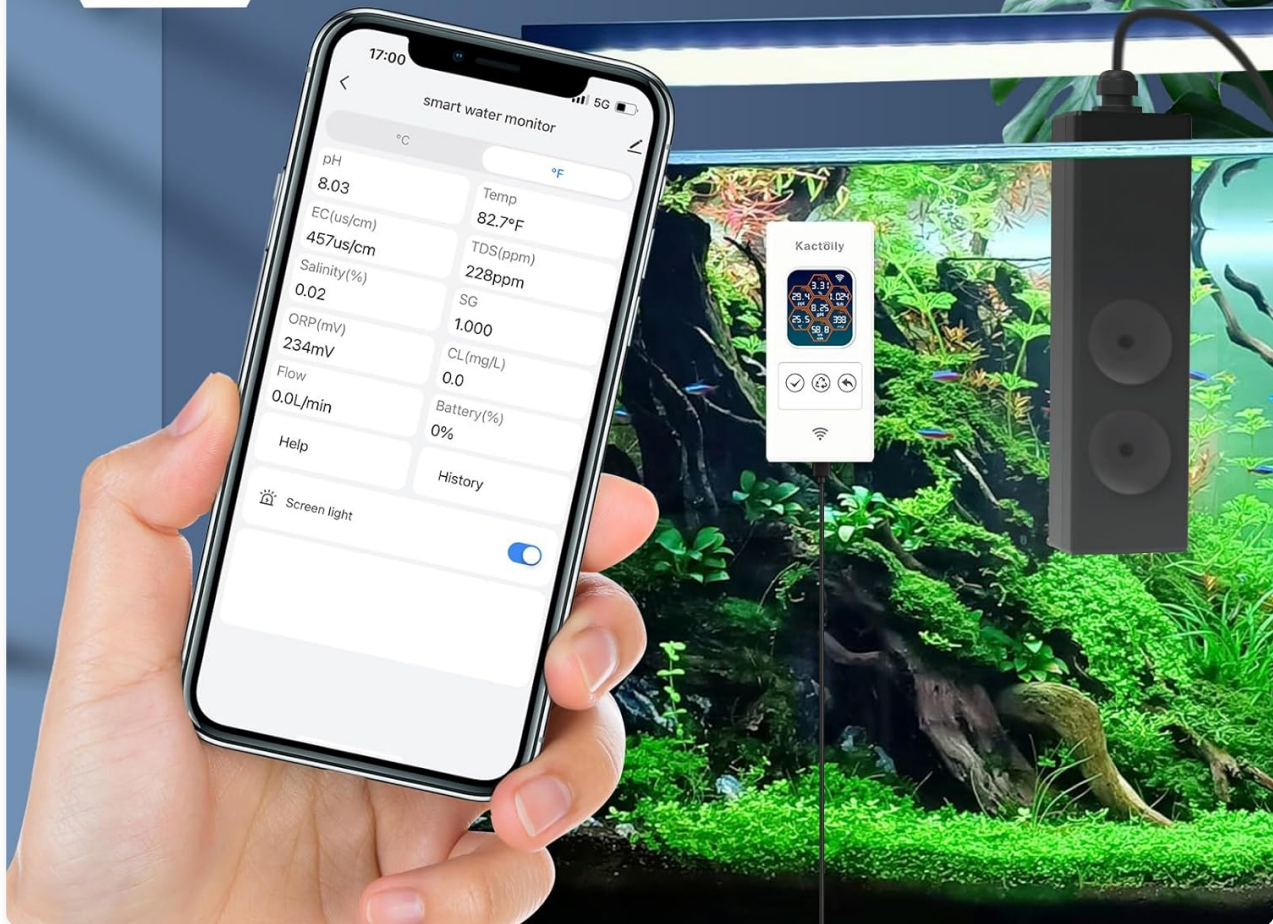


Figure 7: The mobile application interface showing real-time data from the aquarium monitor.

Video 2: A guide on how to set up app notifications for the monitor, including SMS and phone call alerts.

4. Operating the Monitor

4.1 REAL-TIME MONITORING

The monitor provides real-time readings for all 7 parameters directly on its display and through the Tuya Smart app. You can switch between Celsius and Fahrenheit for temperature readings within the app.

4.2 NOTIFICATIONS

Set customized maximum and minimum values for each water parameter in the app. If any parameter exceeds or falls below your preset ranges, you will receive instant notifications via the app, phone, or SMS, ensuring you are always aware of your aquatic environment's health.

4.3 HISTORICAL DATA

The app stores historical data for all measured parameters, allowing you to track trends and analyze water

quality changes over time. This feature is crucial for understanding long-term stability and identifying potential issues.

5. Calibration

Regular calibration ensures the accuracy of your monitor's readings. The device comes with pH buffer powders for calibration. For salinity and specific gravity, a weighing method is recommended for precise calibration.

Video 3: A detailed guide on calibrating salinity and specific gravity using the weighing method for optimal accuracy. Follow the instructions in the included Water Quality Guidebook for detailed calibration procedures for pH, EC, and Temperature. Ensure to remove the protective cap from the probe before use and re-attach it for storage.

6. Maintenance

To ensure the longevity and accuracy of your probes, always remove the protective caps before use and replace them after cleaning and storage. Regularly clean the probes to prevent buildup that could affect readings. Store the device in a dry, cool place when not in use.

7. Troubleshooting

- **Salinity Fluctuations:** Ensure the probe is placed in an area with consistent water flow, away from protein separators. Recalibrate if fluctuations persist.
- **Inaccurate pH Readings:** Perform a pH calibration using the provided buffer powders. If using tap water, consider using reverse osmosis or deionized water for calibration to minimize pH fluctuations.
- **Missing EC Calibration Solution:** The product does not include EC calibration solution. You may need to acquire this separately for full EC calibration.
- **Connectivity Issues:** Ensure your device is within range of your Wi-Fi router and that the Wi-Fi signal is strong. Restart the device and the app if connection problems occur.
- **ORP Readings:** ORP values are inversely proportional to ammonia and nitrite levels. Higher ORP values generally indicate better water stability.

8. Specifications

Feature	Specification
Item Weight	1.34 pounds
Item Model Number	KY-YGWIFI-07US




Feature	Specification
Item Package Dimensions	9.21 x 6.02 x 2.24 inches
Color	Multi-colored
Target Species	Fish
Connectivity	Wi-Fi (2.4GHz)
Measured Parameters	pH, TDS, EC, ORP, Specific Gravity, Salinity, Temperature




9. Warranty & Support

For any product inquiries, technical support, or warranty claims, please contact kactoilly customer service. While specific warranty details are not provided in this manual, kactoilly is committed to customer satisfaction.

After-sales service email: services@kactoilly.com

Related Documents - KY-YGWIFI-07US

<p>Kactoilly 7-in-1 Aquarium Water Quality Monitor User Manual</p> 	<p>Kactoilly 7-in-1 Aquarium Water Quality Monitor User Manual & Guide</p> <p>Comprehensive user manual for the Kactoilly 7-in-1 Aquarium Water Quality Monitor. Learn about its features, monitoring functions, installation, calibration procedures for pH, ORP, EC, Salinity, TDS, Specific Gravity, and Temperature, troubleshooting FAQs, and after-sales service.</p>
<p>Kactoilly 6-in-1 Aquarium Water Quality Monitor User Manual</p> 	<p>Kactoilly 6-in-1 Aquarium Water Quality Monitor User Manual</p> <p>User manual for the Kactoilly 6-in-1 Aquarium Water Quality Monitor, detailing its features, specifications, installation, calibration procedures, and after-sales service. Covers monitoring of pH, Temperature, TDS, EC, Salinity, and Specific Gravity.</p>
<p>Kactoilly 7-in-1 Aquarium WiFi Monitor</p>  <p>Please read the instruction manual carefully before use</p>	<p>Kactoilly 7-in-1 Aquarium WiFi Monitor User Manual</p> <p>This manual provides comprehensive instructions for the Kactoilly 7-in-1 Aquarium WiFi Monitor, covering product information, installation, WiFi connection, basic operation, calibration, troubleshooting, and after-sales service. Learn how to set up and use your aquarium monitor for optimal water quality management.</p>

	<p>Getting Started with Arduino and Sensors: A Comprehensive Guide</p> <p>This guide provides a comprehensive introduction to the Arduino Uno, its components, and various sensors. Learn how to set up your Arduino environment, connect and utilize 37 different sensors, and explore digital and analog input/output operations, including controlling loads, PWM, and sound generation.</p>
	<p>Guide to Sensors for Raspberry Pi 2 with Windows 10 IoT Core and Visual Basic</p> <p>A comprehensive guide covering the setup and use of various sensors (KY series) with the Raspberry Pi 2, utilizing Windows 10 IoT Core and Visual Basic development. Explores hardware setup, software development, and sensor integration.</p>
	<p>Kactoilly 7-in-1 Aquarium Water Quality Monitor User Manual & Guide</p> <p>Comprehensive user manual for the Kactoilly 7-in-1 Aquarium Water Quality Monitor. Learn about its features, monitoring functions, installation, calibration procedures for pH, ORP, EC, Salinity, TDS, Specific Gravity, and Temperature, troubleshooting FAQs, and after-sales service.</p>