

[Manuals.plus](#) /

› [Acouto](#) /

› Acouto Water Quality Tester Pen - TDS EC Meter User Manual (Model: Acouto1ivnwa3528-12)

Acouto Acouto1ivnwa3528-12

Acouto Water Quality Tester Pen - User Manual

Model: Acouto1ivnwa3528-12

1. INTRODUCTION

Thank you for choosing the Acouto Water Quality Tester Pen. This device is designed to provide accurate and reliable measurements of Total Dissolved Solids (TDS), Electrical Conductivity (EC), and temperature in various water sources. Its compact, pen-type design makes it convenient for testing drinking water, aquariums, swimming pools, and other applications. Please read this manual thoroughly before use to ensure proper operation and maintenance.



Image 1: Acouto Water Quality Tester Pen (front view).

This image shows the main unit of the Acouto Water Quality Tester Pen, highlighting its LCD display and control buttons (ON/OFF, SHIFT, HOLD).

2. PRODUCT FEATURES

- **Clear LCD Display:** Large screen for clear and legible readings of TDS, EC, and temperature. High-contrast display ensures visibility in various lighting conditions.
- **Portable Design:** Compact, pen-type form factor, lightweight, and easy to carry. Durable ABS construction in blue for portability and elegance.
- **Multifunctional with 4 Modes:** Effortlessly switch between different measurement functions (TDS, EC, Temperature in Celsius/Fahrenheit) using the SHIFT key.
- **Versatile Application:** Ideal for drinking water analysis, aquarium maintenance, fish tank monitoring, pool testing, agricultural irrigation, and laboratory research.
- **Accurate and Reliable Measurement:** Features a highly sensitive probe that minimizes interference and reduces errors by eliminating magnetic field disturbances in water. Ensures precise TDS, EC, and temperature readings.



Image 2: Acouto Water Quality Tester Pen demonstrating various applications.

This image illustrates the wide range of uses for the water quality tester, including testing drinking water, water in glasses, bottled water, and water from purification systems.

3. SETUP

1. **Unpacking:** Carefully remove the water quality tester from its packaging.
2. **Initial Inspection:** Check the device for any visible damage. Ensure the probe cap is securely in place.
3. **Power On:** Press the **ON/OFF** button to turn on the device. The LCD display should illuminate.
4. **Battery Check:** This device does not require user-replaceable batteries. If the display does not turn on, ensure the device is charged (if applicable, though the product states "No" for batteries, implying it might be self-powered or have an internal non-replaceable battery).
5. **Remove Probe Cap:** Before taking any measurements, gently remove the protective cap from the bottom of the probe.



Image 3: Close-up view of the Acouto Water Quality Tester Pen's probe.

This image details the sensitive probe at the bottom of the device, which is immersed in water for measurements. The protective cap should be removed before use.

4. OPERATING INSTRUCTIONS

1. **Preparation:** Ensure the device is clean and the probe cap is removed.
2. **Power On:** Press the **ON/OFF** button to activate the tester.
3. **Immerse the Probe:** Dip the probe into the water sample up to the immersion line (usually indicated on the probe or by the casing design). Do not immerse the entire device.
4. **Stabilize Reading:** Gently stir the tester to remove any air bubbles and wait for the reading to stabilize on the LCD display. This usually takes a few seconds.
5. **Switch Modes:** Press the **SHIFT** button to cycle through the four available measurement modes:
 - TDS in ppm and Temperature in °C
 - TDS in ppm and Temperature in °F
 - EC in $\mu\text{S}/\text{cm}$ and Temperature in °C

- EC in $\mu\text{S}/\text{cm}$ and Temperature in $^{\circ}\text{F}$

6. **Hold Function:** To freeze the current reading on the display, press the **HOLD** button. Press it again to release the hold and resume live readings.
7. **Record Reading:** Note down the stable measurement displayed.
8. **Power Off:** After use, press the **ON/OFF** button to turn off the device. The device may also have an auto-off function to conserve power.
9. **Clean and Store:** Rinse the probe with distilled water, dry it, and replace the protective cap before storing.



Image 4: Displaying the four measurement modes of the Acouto Water Quality Tester Pen.

This graphic illustrates how the device can switch between displaying TDS in ppm or EC in $\mu\text{S}/\text{cm}$, along with temperature in either Celsius or Fahrenheit, by pressing the SHIFT button.



Image 5: Acouto Water Quality Tester Pen immersed in a glass of water for measurement.

This image demonstrates the correct way to immerse the probe into a water sample for accurate readings, showing only the probe section submerged.

5. MAINTENANCE

- **Cleaning the Probe:** After each use, rinse the probe thoroughly with distilled or deionized water to prevent contamination and residue buildup. Do not use tap water for rinsing as it may leave mineral deposits.
- **Drying:** Gently wipe the probe with a soft, clean cloth or tissue. Do not rub vigorously, as this may damage the sensitive electrodes.
- **Storage:** Always replace the protective cap on the probe when the device is not in use. Store the tester in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Calibration:** While the device is designed for high accuracy, periodic calibration with standard solutions may be required for professional applications to ensure long-term precision. Refer to specific calibration instructions if provided with calibration solutions.



Image 6: Acouto Water Quality Tester Pen shown with its protective carrying case.

This image highlights the portability and protection offered by the included case, essential for maintaining the device's condition during storage and transport.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Low or depleted internal power source.	Ensure the device is fully charged if it has a rechargeable battery, or check if it requires external power (though the product states "No" for batteries, implying internal power). If issues persist, contact support.

Problem	Possible Cause	Solution
Inaccurate or unstable readings.	Probe not fully immersed. Air bubbles on the probe. Contaminated probe. Interference from external sources. Calibration required.	Ensure the probe is immersed up to the line. Gently stir the tester to remove air bubbles. Clean the probe with distilled water. Perform calibration if necessary.
Display is dim or unreadable.	Low internal power.	Ensure the device has sufficient power. If the issue persists, contact support.

7. SPECIFICATIONS

- **Model Number:** Acouto1ivnwa3528-12
- **Manufacturer:** Acouto
- **Product Weight:** 65 g
- **Package Dimensions:** 16 x 4 x 3 cm
- **Measurement Modes:** TDS (ppm), EC (µs/cm), Temperature (°C / °F)
- **Display:** LCD
- **Material:** ABS
- **Power Source:** Internal (No user-replaceable batteries required)
- **Country of Origin:** China

8. WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available data. For details regarding warranty coverage, technical support, or service inquiries, please refer to the product packaging or contact Acouto customer service directly through their official website or the retailer from whom the product was purchased.

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