

## Craft911 TDS-A2-2502

# Craft911 TDS Meter (Model TDS-A2-2502) Instruction Manual

Brand: Craft911 | Model: TDS-A2-2502

## 1. INTRODUCTION

The Craft911 TDS Meter is an advanced electric water tester designed for accurate water quality assessment. Equipped with a premium titanium alloy probe and an intelligent chip, it provides reliable readings for various applications including drinking water, aquariums, and hydroponics. Its intuitive design ensures instant and effortless testing for users of all skill levels. The meter features an automatic power-down function after 2 minutes of inactivity to conserve battery life and is factory-calibrated for out-of-the-box accuracy, eliminating the need for manual calibration.

# Our Meter is Lab-Tested for Accuracy ( $\pm 3\%$ PPM)

If in doubt, compare with certified lab results—not assumptions before leaving review. We stand by our product's accuracy.

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Kindly avoid reviews based on assumptions.

 **Lime**  
California, USA



Image 1: The Craft911 TDS Meter is lab-tested for accuracy, ensuring reliable results for water quality assessment.

## 2. PRODUCT FEATURES

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- **Accurate and Reliable:** Features a titanium alloy probe and intelligent chip for stable performance and exceptional accuracy.
- **Multi-functional:** Measures Total Dissolved Solids (TDS), Electrical Conductivity (EC), and temperature.
- **Easy-to-Read Display:** Large backlit LCD for clear readings in various lighting conditions.
- **Instant Operation:** Provides quick, accurate readings by simply dipping the meter into water.
- **Auto-Lock Function:** Holds readings for convenience.
- **Energy-Efficient:** Automatic power-down after 2 minutes of inactivity.
- **Durable Construction:** Built to withstand rugged conditions for longevity.
- **Compact and Portable:** Ensures accurate water quality assessment on the go.

## 3. PACKAGE CONTENTS

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Your Craft911 TDS Meter package typically includes:

- 1 x Craft911 TDS Meter (Model TDS-A2-2502)
- 1 x Protective Cap
- 1 x User Manual
- Batteries (pre-installed)

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Video 1: This video demonstrates the unboxing of a similar digital water quality tester, showing the meter, user manual, and protective case. It also highlights the high-precision electrodes and waterproof battery case.

## 4. SETUP & BATTERY INSTALLATION

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The Craft911 TDS Meter comes with batteries pre-installed. To begin using your meter:

1. Remove the protective cap from the bottom of the meter.
2. Ensure the battery compartment is securely closed.
3. Press the 'ON/OFF' button to power on the device.



Image 2: Detailed diagram of the TDS Meter components, including the battery compartment, LCD display, control buttons, and the immersion line for accurate testing.

## 5. OPERATING INSTRUCTIONS

Follow these steps for accurate water quality testing:

1. **Prepare Sample:** Pour the water you wish to test into a clean container.
2. **Power On:** Press the 'ON/OFF' button to turn on the meter. The display will show '0000' or the last reading.
3. **Immerse Probe:** Dip the meter's probe into the water sample. Ensure the water level is between the 'MIN' and 'MAX' immersion lines indicated on the device. Do not submerge the entire device.
4. **Read Measurement:** Wait for the reading to stabilize (usually a few seconds). The meter will automatically lock the reading.
5. **Switch Modes (Optional):** Press the 'MODE' button to cycle through different measurement modes (TDS, EC, Temperature).

6. **Hold Reading (Optional):** Press the 'HOLD' button to manually lock the current reading on the display. Press again to release.
7. **Clear Reading (Optional):** Press the 'CLEAR' button to reset the display.
8. **Power Off:** Press the 'ON/OFF' button to turn off the meter. The device will automatically power off after 2 minutes of inactivity.

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Video 2: This video demonstrates the proper way to use the water tester, including observing the minimum and maximum immersion lines for accurate readings.

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Video 3: This video shows the TDS meter in action, testing different water samples and displaying the results on its screen.

## 6. UNDERSTANDING YOUR READINGS

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TDS (Total Dissolved Solids) measures the total amount of dissolved substances in water, such as minerals, salts, and contaminants, in parts per million (ppm). It indicates how much is in the water, not what is in it. Use the TDS meter as a screening tool.



## SAFE WATER FOR ALL

High TDS water can make kids, seniors, and pregnant women sick more easily.

Image 3: This chart provides a guide to understanding TDS readings for drinking water, categorizing levels from safe to unsafe.

While primarily a TDS meter, some models or related products may also provide turbidity readings. Turbidity measures the cloudiness or haziness of a liquid caused by suspended particles (NTU – Nephelometric Turbidity Units). It is a key indicator for water quality monitoring, treatment, and disinfection processes.

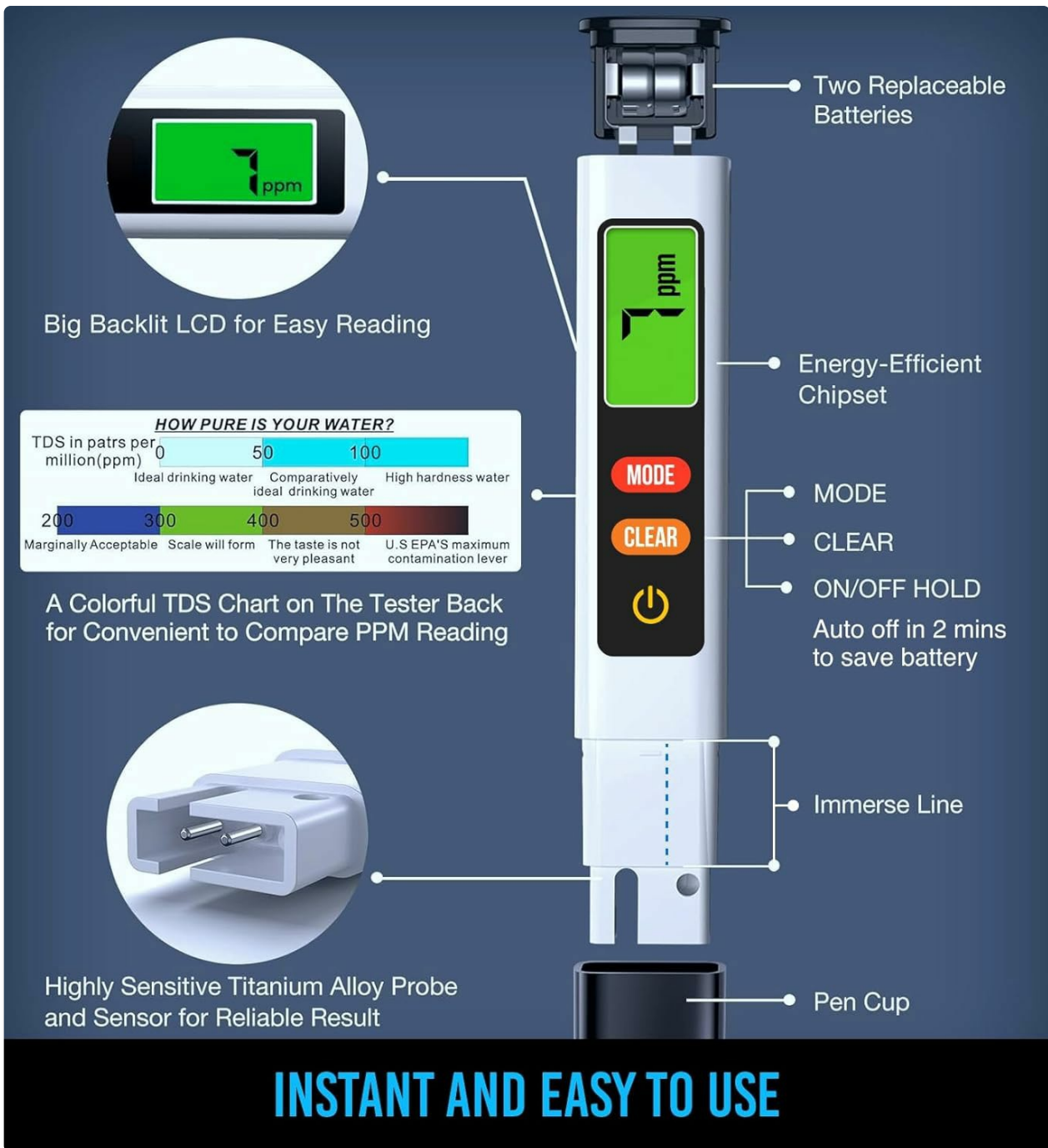


Image 4: This chart explains turbidity readings, indicating water clarity levels from crystal-clear to visibly cloudy.

## 7. CALIBRATION

Your Craft911 TDS Meter is factory-calibrated for immediate use. However, if recalibration is ever needed, follow these general steps. Note that specific calibration powders may be required and are not included with this product.

1. Prepare buffer solutions according to their instructions (e.g., mix buffer powder with distilled water).
2. Turn on the meter.
3. Dip the electrode into the first standard buffer solution.
4. Press and hold the 'MODE/CAL' button for 6 seconds until the reading stabilizes and locks.
5. Repeat for other buffer solutions if multi-point calibration is desired.

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Video 4: This video demonstrates the calibration process for a multi-functional water quality tester, including preparing buffer

solutions and using the calibration button.

## 8. MAINTENANCE

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- **Cleaning:** After each use, rinse the electrode with distilled water and gently wipe it dry with a clean cloth.
- **Storage:** Always replace the protective cap after use to prevent damage to the probe. Store the meter in a cool, dry place.
- **Battery Replacement:** If the display becomes dim or the readings are inconsistent, replace the batteries. The meter uses standard alkaline batteries.

## 9. TROUBLESHOOTING

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- **Inaccurate Readings:** Ensure the probe is clean and fully immersed between the MIN/MAX lines. Check battery level. Consider recalibration if readings remain inconsistent over time.
- **No Display:** Check if batteries are correctly installed and charged. Replace if necessary.
- **Slow Response:** Clean the probe thoroughly. Ensure the water sample is at a stable temperature.

## 10. SPECIFICATIONS

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Specification	Value
Manufacturer	Craft911
Model Number	TDS-A2-2502
Item Weight	59 g
Product Dimensions	15.39 x 3 x 1.4 cm
Power Source Type	Battery Powered
Battery Cell Type	Alkaline
Color	White

## 11. WARRANTY & SUPPORT

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Your Craft911 TDS Meter comes with a **3-year warranty** and a **90-day money-back guarantee** for complete peace of mind. For any support inquiries, troubleshooting assistance, or warranty claims, please refer to the contact information provided in your product packaging or visit the official Craft911 website.