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› MEXYBE M2 Digital TDS Water Tester Instruction Manual

MEXYBE M2

MEXYBE M2 Digital TDS Water Tester Instruction Manual

Model: M2

INTRODUCTION

The MEXYBE M2 Digital TDS Water Tester is designed to provide a simple and reliable method for assessing water quality. This device measures the Total Dissolved Solids (TDS) in water, which indicates the combined content of all inorganic and organic substances contained in a liquid in molecular, ionized, or micro-granular suspended form. Understanding your water's TDS level is crucial for ensuring the quality of drinking water, aquarium water, and water used in various applications.



*Is your water **safe?**
Don't guess... **TEST!***

The MEXYBE M2 TDS meter helps you determine the safety and quality of your water.

PRODUCT OVERVIEW

The MEXYBE M2 TDS Water Tester features a high-precision chip and a premium titanium alloy probe for accurate and reliable results. Its compact design makes it easy to use and carry.

Precision Craftsmanship for Accurate Testing

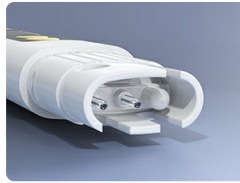


Components of the MEXYBE M2 Digital TDS Water Tester:

- **Two Replaceable Batteries:** Powers the device.
- **Energy-Efficient Chipset:** Ensures accurate readings and efficient power consumption.
- **High-Definition Display Screen:** Shows TDS readings clearly.
- **On/Off Button:** To power the device on or off.
- **Lock Button (HOLD):** To freeze the displayed reading.
- **Submersion Line:** Indicates the maximum depth for immersing the probe.
- **Highly Sensitive Titanium Alloy Probe:** For precise measurement.
- **High-Sensitivity Sensor:** Detects dissolved solids efficiently.
- **Pen Cap:** Protects the probe when not in use.



Powerful Chip



Sensitive Probe



HD LED Display

SETUP

1. **Unpack:** Carefully remove the TDS meter from its packaging.
2. **Remove Cap:** Take off the protective cap from the bottom of the meter to expose the electrodes.
3. **Battery Check:** The device comes with pre-installed batteries. If the display does not light up, replace the batteries (refer to the Maintenance section for battery replacement).

OPERATING INSTRUCTIONS

Follow these steps to accurately measure the TDS level of your water sample:

1. **Prepare Sample:** Pour the water you wish to test into a clean container.
2. **Turn On:** Press the **ON/OFF** button to power on the TDS meter. The display will show "000" or a previous reading.
3. **Immerse Probe:** Dip the electrode end of the meter into the water sample. Ensure the water level does not exceed the submersion line indicated on the device.
4. **Stabilize Reading:** Gently stir the meter in the water to remove any air bubbles. Wait for the reading on the display to stabilize (typically a few seconds).
5. **Lock Reading (Optional):** Press the **HOLD** button to freeze the displayed reading for easier viewing. Press it again to release the hold.
6. **Record Reading:** Note down the TDS value displayed in parts per million (ppm).
7. **Clean and Store:** After use, shake off excess water, gently wipe the probe with a clean cloth, and replace the protective cap. Turn off the meter by pressing the **ON/OFF** button.

One-click, You Can Use

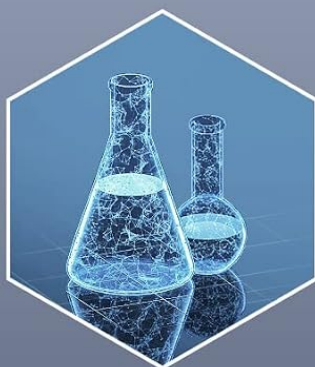
Know the TDS value of water in seconds without complex chemistry experiments. Press a button, and the screen displays the TDS value immediately.

Easy operation for everyone, even kids!



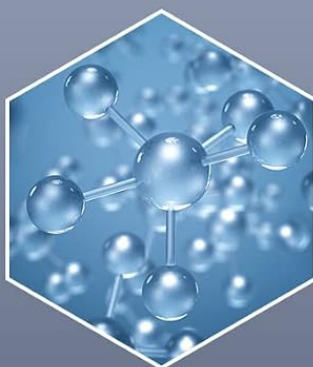
Press the ON/OFF button to activate the meter and the HOLD button to freeze the reading.

Test Three Types of Impurities in Our Water



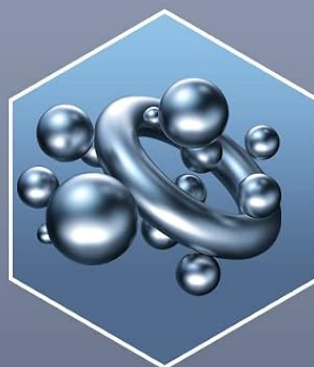
Calcium ion,
Magnesium ion etc

Soluble salts



Amine acetate,
Sodium sulfate etc

Ionic organic matter



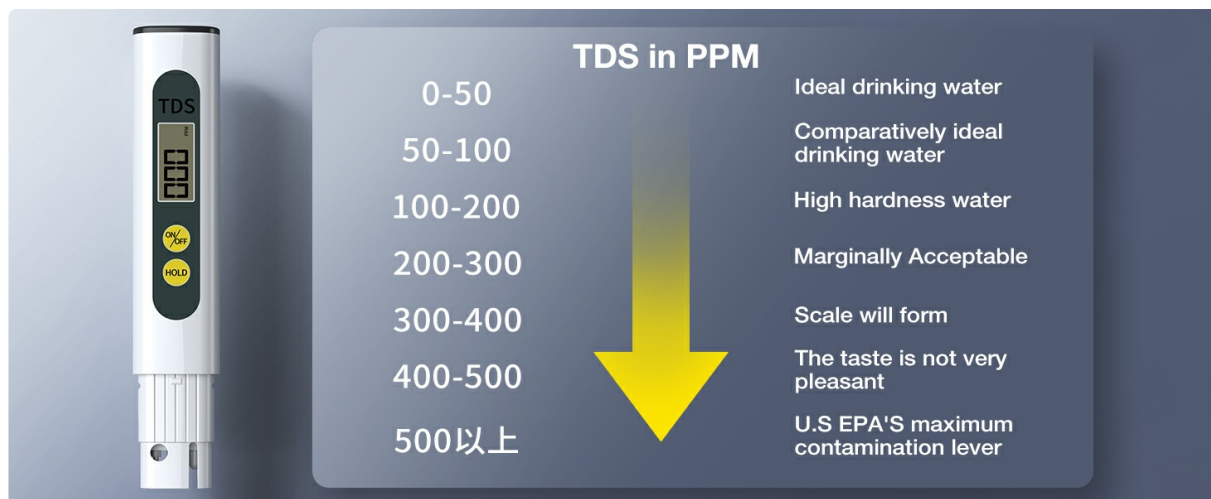
lead, mercury,
chromium etc

Heavy metal ion

Note: 1. EPA-40 CFR Part 141 《Drinking Water Standards and Regulations》 : $TDS \leq 500$
2. Tds meter is affected by external factors, and the error range is $\pm 2\%$ FS of the measurement range

Immerse the probe into the water sample up to the submersion line.

Understanding TDS Readings



This chart provides a general guideline for interpreting TDS values:

TDS (ppm)	Water Quality
0-50	Ideal drinking water
50-100	Comparatively ideal drinking water
100-200	High hardness water
200-300	Marginally Acceptable
300-400	Scale will form
400-500	The taste is not very pleasant
500+	U.S. EPA's maximum contamination level

Note: High TDS water may affect kidney function in some people. The TDS meter is affected by external factors, and the error range is $\pm 2\%$ FS of the measurement range. Refer to EPA-40 CFR Part 141 «Drinking Water Standards and Regulations» for detailed guidelines ($\text{TDS} \leq 500 \text{ ppm}$).

Instructional Videos

Video: Demonstrates the ease of use and fast reaction time of the MEXYBE M2 TDS Water Tester.

Video: Shows how to monitor your home's water quality anytime using the MEXYBE M2 TDS Water Tester.

MAINTENANCE

- **Cleaning:** After each use, rinse the electrode probe with distilled water and gently wipe it dry with a clean, soft cloth. Do not use abrasive materials or harsh chemicals.
- **Storage:** Always replace the protective cap after use. Store the meter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Replacement:** When the display becomes dim or the meter fails to turn on, it's time to replace the batteries. Open the battery compartment (usually located at the top or back of the device), replace the old batteries with new ones of the correct type (typically button cells), ensuring correct polarity. Close the compartment securely.
- **Calibration:** The MEXYBE M2 TDS meter is factory calibrated. If you suspect inaccurate readings over time, you may need to recalibrate it using a standard TDS calibration solution (e.g., 342 ppm NaCl solution). Refer to specific calibration instructions if provided with your device or contact customer

support.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Meter does not turn on	Dead batteries or incorrect battery installation.	Replace batteries, ensuring correct polarity.
Inaccurate or fluctuating readings	Dirty probe, air bubbles on probe, or meter needs calibration.	Clean the probe, gently stir the meter in the sample, or recalibrate if necessary.
Display shows "Err" or similar error message	Sensor malfunction or out of measurement range.	Turn off and restart the meter. If the problem persists, contact customer support.
Reading does not stabilize	Air bubbles on the probe or unstable sample conditions.	Gently stir the meter. Ensure the sample is still.

SPECIFICATIONS

- **Model Number:** M2
- **Measurement Range:** 0-9990 ppm (parts per million)
- **Accuracy:** $\pm 2\%$ FS
- **Dimensions:** Approximately 5.63 x 1.14 x 0.67 inches
- **Item Weight:** Approximately 1.44 ounces
- **Manufacturer:** MEXYBE

WARRANTY AND SUPPORT

MEXYBE is committed to providing high-quality products and excellent customer service. Your MEXYBE M2 Digital TDS Water Tester comes with a **36-month hassle-free warranty**. For any questions, concerns, or support needs, please contact our dedicated team of water quality experts. We offer rapid and efficient responses round the clock through live chat and email. Your feedback is important to us as we strive to deliver products and services that provide genuine value. Please refer to the contact information provided with your product packaging or visit the official MEXYBE website for support details.