HEALTH®
METRIC

Making the complex simple

Temperature Sensor Electrodes
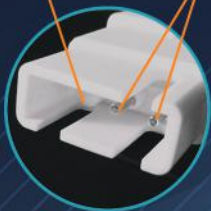
Titanium
Alloy Probe

Protective
Cap

ON-OFF HOLD

CLEAR

MODE

Backlit
LCD Screen

ON/OFF

Clear

Mode Selector

Upper

Immersion Lines

Lower

3V Button Cell
(CR2032)

TDS range: 0 - 9999 ppm
EC range: 0 - 9999 µs/cm
Fahrenheit: 32 - 176 °F
Celsius: 1 - 80 °C.
Accuracy: ± 2%

Battery: 1 x 3V Button Cell CR2032
Conversion factor: NaCl

TDS & EC METER 2.0
User's Manual

Thank you for choosing the Health Metric 3-in-1 TDS & EC Meter 2.0.
This professional measuring device makes testing for total dissolved solids
(TDS), electrical conductivity (EC), and temperature super easy.
Here's a short manual to help you get started right away.

For helpful video instructions and FAQs, simply scan the
QR code or visit health-metric.com/TDS2.

Should you need any assistance, feel free to get in touch.
We're here to help!

▶ Watch video

support@health-metric.com   www.health-metric.com

4 MODES TO CHOOSE FROM

Press the MODE button to switch between the 4 display modes shown below.

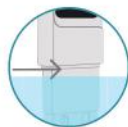|			
37 ppm	**78** µs/cm	**27.5** °C	**81.5** °F
MODE 1 TDS ppm	**MODE 2** EC µs/cm	**MODE 3** Celsius	**MODE 4** Fahrenheit

INSTRUCTIONS FOR USE

1. REMOVE
Remove the protective cap and press the **ON/OFF** button.

2. IMMERSE
Immerse the meter into the water/solution up to the Upper Immersion Line. Do not exceed this, as the meter is not waterproof.

3. STIR
Lightly stir the meter to remove any air bubbles.

4. WAIT
Wait a couple of seconds for the readings to stabilize and automatically lock.

5. READ
Take the meter out of the water to read the results.

AFTER USE

1. Press the **ON/OFF** button for 3 seconds to turn the meter off.
2. Rinse in clean water and shake off any excess.
3. Gently wipe the probe and replace the protective cap.

FOR BEST RESULTS

Positioning: When testing, hold the meter straight up without letting it touch the sides or bottom of the container.

Rinse: If switching between low and high ppm water, always rinse the probe with clean or distilled water between uses to avoid any buildup.

MEASURING SALT LEVEL

TDS meters can be used for estimating salt levels (NaCl). You can simply multiply the TDS reading by 0.9 to obtain a ppm salt level.

Note! A TDS meter isn't designed for testing water hardness. You can find purpose-made Health Metric Water Hardness Test Strips on Amazon: bit.ly/TESTWHT

STORAGE AND MAINTENANCE

Store in a cool dry place away from direct sunlight. Always make sure the probe is kept clean, and the protective cap is replaced after use.

HELPFUL FUNCTIONS

Automatic Temperature Compensation (ATC):
Equipped with ATC, this meter is suitable for cold and warm liquids.

Auto Shut-Off:
For extended battery life, the meter will turn itself off after 2 minutes of inactivity.

Auto-Lock:
This function locks stabilized readings automatically. If you prefer to do this manually, just press the ON/OFF button to lock the result.

CALIBRATION INSTRUCTIONS

Your TDS meter is factory calibrated (at 342 PPM), so you can use it straight out of the box. However, if you wish to re-calibrate it, use a NaCl-based TDS calibration solution.

Note! The meter and probes must be dry when placed into the calibration solution to avoid contamination.

1. Turn on the meter and dip it into the calibration solution. Stir for a few seconds, then keep it still for 1 minute.

2. Press and hold the **MODE** button until the reading on the screen flashes. This indicates that the meter has entered calibration mode.

3. Press the **ON/OFF** button to increase the result value, or the **CLEAR** button to decrease it.

4. Adjust the result value until it matches the ppm of the calibration solution. You might not be able to get an exact match, but as close as possible is OK.

5. After finishing the adjustment, press and hold the **MODE** button until the reading on the screen stops flashing. This indicates that the meter has exited calibration mode.

6. Rinse the meter with clean water.

Calibration Tips

● TDS meters measure EC and convert it into TDS. Small fluctuations in EC can cause small variations in TDS, even in the same calibration solution or water sample. Don't worry, this is normal.

● The calibration solution can be used several times if care is taken not to dilute or contaminate it.

● If during the calibration procedure the meter becomes unresponsive, remove and re-insert the battery. This clears the meter and allows you to complete the calibration process.

When to calibrate your meter?

● After prolonged usage, recalibration may help to increase the meter's accuracy.

● TDS meters are more accurate when calibrated at levels that are close to the sample being tested. So, if you're measuring samples that are around 1000 ppm, for example, it's recommended that you calibrate the meter for that specific value.

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