

### INTRODUCTION

The Metravi TDS-3 TDS meter is a small, compact, hand-held device used to indicate the Total Dissolved Solids in a solution, usually water.

Since dissolved ionized solids, such as salts and minerals, increase the conductivity of a solution, the meter measures the conductivity of the solution and estimates the TDS from that reading.

Just immerse the meter into the water/solution up to the maximum immersion level (2"). Wait till the display stabilises, The TDS meter automatically compensates for temperature variations. Press the hold button to save reading.



### FEATURES

- Hold function to save the measurements for convenient reading and recording.
- Auto-off function to turn off meter after 5 minutes of non-use to conserve batteries.
- 2 IN 1 tool to find total dissolved solids (TDS) and temperature.
- High quality, anti-rust, anti-corrosive and high-precision sensor to always ensure the accuracy of the results.
- Quick and instant results.
- Compact and acts as an ideal water purity tester.
- Handy tester for field use with clip-on feature.



### SPECIFICATIONS

<b>TDS Measuring Range</b>	: 0-9990 PPM
<b>Resolution</b>	: 1 PPM (10 PPM for 1000 to 99990 PPM)
<b>Accuracy</b>	: ±2%
<b>Probe Type</b>	: Titanium Alloy Electrode
<b>Temperature Measuring Range</b>	: 0 to 50°C
<b>Display</b>	: Digital LCD
<b>Power Supply</b>	: 2x1.5V ( Button Cell)
<b>Dimensions</b>	: 155x31x23mm (6.1x1.2x0.9in)
<b>Weight</b>	: 76 gms

### APPLICATIONS

- **Checking Drinking Water Quality:** Water with very low TDS will have flat taste and lacks in minerals. Water with high TDS is unsafe due to contamination and should not be used for drinking. TDS measurement helps in maintaining water with right TDS for cooking as well as drinking.
- **Checking Water Quality for Flowers and plants:** TDS measurement helps in making sure that you water vegetable and flowers plants with water having the appropriate nutrients.
- **Checking Tap Water Quality:** Helps to decide on the appropriate water purifier for your needs and can help avoid unnecessary expenditure.
- **Checking Filtered Water Quality:** Helps check water output from the purifier or filter so that you know when to replace the purifier or change its parts.
- **Checking Aquarium Water Quality:** Helps maintain proper TDS level of water in your fish tanks and aquariums similar to natural habitats.
- **Checking for Hard Water:** High TDS water has high levels of magnesium and calcium and is known as hard water. Hard water gets collected in pipes and may lead to expensive replacement of pipes and reduced lifetime of home appliances.



Check drinking water quality



Check bottled water quality



Check water filter working



Check aquarium water



Check borewell water quality



Check swimming pool water



### TDS LEVELS

TDS level (in ppm)	Rating
<50 to 250	Considered Low; missing in useful minerals which are beneficial for health of human beings.
300 to 500	Perfect; This range is sweet spot for quality drinking water.
600 to 900	Not great ; It requires RO (Reverse Osmosis) system to reduce the TDS level
1000 to 2000	Terrible ; Not recommended or safe to use
>2000	Worst ; The water with this TDS level is completely unsafe. The household water purifiers can not hand this contamination level