

Instruction for Water Quality Check TDS Meter with temperature compensation

Part No. 578

Specifications:

Range	0 to 999 ppm (mg/L)	Temperature Compensation	5 to 50 C or 41 to 122 F
Resolution	1 ppm	Environment	0 to 50 C or 32 to 122 F
Accuracy	+ 10 ppm	Batteries Life	4 x 1.4V alkaline approx 150 H
EMC Deviation	+ 1%	Dimension	6" x 1.1" x 0.75"
Display	LCD	Weight	2 oz or 85 g

Operation

- Remove the protective cap
- Turn TDS meter on, press ON button
- Immerse into water sample up to the maximum immersion level without touching the bottom of the water sample container.
- Stir gently and wait until the display stabilizes
- TDS meter compensates for the temperature variance automatically.
- Turn off meter, press OFF button

Battery Replacement

When the TDS meter cannot be switched on or the display fades, pull out the battery compartment and replace all four 1.4V batteries, paying attention to their polarity.

Interpreting the Results

Example:

Reading #1 Reading from Reverse Osmosis water : 30 ppm

Reading #2 Reading from tap water: 350 ppm

Divide Reading #1 by Reading #2 Reading #1/ Reading #2 = 0.086

one minus the value obtain above the multiply by 100 to get the Rejection of the R.O. membrane or RO system

$1.0 - 0.086 = 0.914$ $0.914 \times 100 = 91.4$ or 91% rejection rate

Your Reading:

Reading #1 Reading from Reverse Osmosis water : _____ppm

Reading #2 Reading from tap water: _____ppm

Divide Reading #1 by Reading #2 Reading #1/ Reading #2 = _____

one minus the value obtain above the multiply by 100 to get the Rejection of the R.O. membrane or RO system

$1 - (\quad) = \underline{\hspace{2cm}}$ $\underline{\hspace{2cm}} \times 100 = \underline{\hspace{2cm}}\%$ (rejection rate)

- A new RO system or a new membrane should have rejection rate of 92 to 95%
- Over years of usage the membrane performance will degrade, and membrane should be replaced when rejection rate reaches 80% or below.