

Technical Specifications

Measurement range: 0~3990PPM

Error: $\pm 10\%$ Full Scale

Temperature measurement range: 0~80°C

Operating current: 1.5mA

Battery: 2*LR44 1.5V button batteries

Battery capacity: 155mAh

Product dimensions: 148*18*16mm

Product weight: 28.3g



Model: GM767

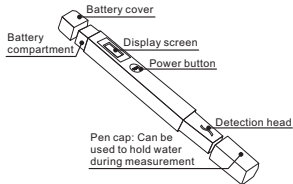
Instruction Manual for TDS Meter



Product Introduction

The TDS Meter can be used to detect the filtration effectiveness of water purifiers on dissolved solids. After filtration by a reverse osmosis water purifier, the TDS level in tap water will significantly decrease.

TDS stands for Total Dissolved Solids, which indicates how many milligrams of dissolved solids are present in one liter of water, measured in milligrams per liter (mg/L) or PPM. TDS includes non-volatile soluble salts, organic substances, and insoluble particles that can pass through the filter (cited from GB/T 5750.4-2006 "Standards for Drinking Water Quality Testing Methods: Sensory and Physical Indicators").

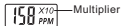


Operating Instructions

1. Properly install the button batteries, remove the pen cap, press the power button to turn it on, and fill the pen cap with 2/3 of the water to be tested.
2. Place the detection head into the water, gently stir to remove any air bubbles.
3. Wait for the reading to stabilize (about 3s) and then check the display screen for the result.



TDS value: 20PPM



TDS value: 1580PPM

Note: When the TDS value exceeds 999, the reading is displayed using a X10 multiplier.

High purity	0~50
Relatively high purity	51~100
May cause scale formation	101~300
Serious scale formation	301~600
Poor taste	601~1000
Not suitable for drinking	>1001

Generally, the lower the TDS value, the fewer dissolved solids in the water, indicating purer water quality.

Note: Soluble salts of calcium and magnesium ions are the main components that cause scale formation.

4. After use, shake off or wipe dry the water on the pen tip, replace the cap, and press the power button to turn it off.