

LABWAN Digital Portable TDS Meter

Product Description

LABWAN LWTDS-3 Digital Portable TDS Meter is a compact handheld instrument designed for measuring Total Dissolved Solids (TDS) and temperature in water and aqueous solutions. The meter measures the conductivity of the solution and estimates the TDS value, providing quick and reliable assessment of water quality. Featuring automatic temperature compensation, high-precision titanium alloy electrodes and a user-friendly design, it is ideal for laboratory, industrial, educational and field applications.

Features

- Hold function to save measurements for convenient reading and recording
- Auto-off function after 5 minutes of non-use to conserve battery power
- 2-in-1 instrument for TDS and temperature measurement
- High quality anti-rust and anti-corrosive sensor
- High precision titanium alloy electrode
- Automatic Temperature Compensation (ATC)
- Quick and instant measurement results
- Compact and portable design
- Ideal water purity tester
- Handy clip-on design for field use
- Lightweight and user-friendly operation

Applications

- Drinking Water Quality Testing
- Water Purifier Performance Monitoring
- RO Water Testing
- Aquarium Water Monitoring
- Swimming Pool Water Testing
- Laboratory Water Analysis
- Industrial Water Quality Inspection



LWTDS-3

Technical Specifications

Parameter	Details
Product Name	Digital Portable TDS Meter
Model Number	LWTDS-3
TDS Measuring Range	0–9990 PPM
Resolution	1 PPM (10 PPM for 1000–9990 PPM)
Accuracy	±2%
Probe Type	Titanium Alloy Electrode
Temperature Measuring Range	0 to 50°C
Display	Digital LCD
Power Supply	2 × 1.5V Button Cell
Dimensions	155 × 31 × 23 mm
Weight	76 g
Construction	Compact Handheld Portable Design
Test Principle	Conductivity Based TDS Measurement

TDS Water Quality Reference

TDS Level (PPM)	Water Quality Rating
<50 to 250	Considered Low; may lack useful minerals
300 to 500	Ideal drinking water range
600 to 900	Requires treatment for reduction
1000 to 2000	Not recommended for regular use
>2000	Unsafe for consumption

Standard Accessories

- Digital TDS Meter
- Protective Sensor Cap
- Button Cell Batteries
- User Manual



Check drinking water quality



Check bottled water quality



Check water filter working



Check aquarium water



Check borewell water quality



Check swimming pool water