Low-Range TDS Tester - Economical Pocket TDS Meter for Pure Water - 0.5-100.0 ppm - ±1% F.S.

Model **MSTDS-P10LSWISS** | Brand **Master Science**





The Master Science Low-Range TDS Tester is an economical pen meter made for low-concentration liquids such as pure water and drinking water. It measures total dissolved solids from 0.5 to 100.0 ppm in 0.1 ppm steps with ±1% of full scale accuracy.

KEY HIGHLIGHTS

- Fine readings in clean water
- Lower upkeep cost
- Easy recording
- Simple calibration
- Battery saved

AT A GLANCE

0.5 to 100.0 ppm
TDS RANGE

dedicated 100 ppm range with 0.1 ppm steps.
WIDE-RANGE PENS TOO COARSE FOR PURE WATER

0 to 50 °C
TEMPERATURE RANGE

±1% F.S.
TDS ACCURACY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

One push-button calibration point accepts a custom standard solution, and readings are compensated for temperature automatically between 0 and 50 °C. When the sensor wears out, only the electrode module is replaced.

Key Benefits

Fine readings in clean water
the Master Science Low-Range TDS Tester resolves 0.1 ppm.

Lower upkeep cost
replaceable electrode module.

Easy recording
hold button freezes the value.

Simple calibration
one button, your own standard.

Battery saved
auto power-off.

For higher concentrations, see the Master Science multi-range pocket TDS tester.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSTDS-P10LSWISS
SKU	MSTDS-P10LSWISS
Brand	Master Science
Model Number	MSTDS-P10LSWISS
SKU	MSTDS-P10LSWISS
TDS Range	**0.5 to 100.0 ppm**
TDS Resolution	0.1 ppm
TDS Accuracy	**±1% F.S.**
Calibration	1 point, push-button
Temperature Range	**0 to 50 °C**
Temperature Resolution / Accuracy	**1 °C / ±1 °C**
Temperature Compensation	0 to 50 °C, automatic
TDS Factor	0.4 to 1.0 (default 0.5)
Hold Function	Manual
Operating Temperature	0 to 50 °C
Display	Single-line LCD, 21 × 21 mm

POWER	
Auto Power-Off	8 minutes after last key press
Power	3 × 1.5 V LR44 batteries
Battery Life	About 150 hours of continuous use

DIMENSIONS & WEIGHT	
Dimensions	185 mm long × 40 mm diameter
Weight	100 g

HOW THE MASTER SCIENCE LOW-RANGE TDS TESTER SUITS CLEAN-WATER CHECKS	
Wide-range pens too coarse for pure water	**dedicated 100 ppm range with 0.1 ppm steps.**
Whole tester discarded when the sensor fails	electrode module can be changed.
Value changes before it is written down	hold function.
Readings affected by water temperature	automatic compensation.

Applications

The Master Science Low-Range TDS Tester is used for
Pure water Drinking water Education Other industrial applications with low-concentration liquids

Measurement

- One-point push-button calibration
- Custom calibration solution accepted
- Automatic temperature compensation

Handling

- Hold function
- Auto power-off
- Replaceable electrode module