Mid-Range TDS Tester - Economical Pocket TDS Meter for Tap Water - 5-1000 ppm, 1 ppm Resolution

Model **MSTDS-P10MSWISS** | Brand **Master Science**





The Master Science Mid-Range TDS Tester is a pen-style meter for everyday dissolved-solids checks in tap water and clean water. It covers 5 to 1000 ppm in 1 ppm steps, which suits drinking water, aquarium water and general process water.

KEY HIGHLIGHTS

- Right range for tap water
- Lower upkeep cost
- Easy recording
- Flexible calibration
- Long battery life

AT A GLANCE

5 to 1000 ppm TDS RANGE	**0 to 50°C** TEMPERATURE RANGE
±1% F.S. TDS ACCURACY	**1°C** TEMPERATURE RESOLUTION

Request a Quotation
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support@themsci.com
www.themsci.com

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Overview

Operation is kept to the basics: one button calibrates the meter against the standard you choose, a hold key freezes the reading, and the Master Science Mid-Range TDS Tester switches itself off after eight idle minutes. When the sensor wears out, only the electrode module is replaced.

> For saline or high-concentration samples, see the Master Science multi-range pocket TDS tester.

Key Benefits

Right range for tap water
: the Master Science Mid-Range TDS Tester reads 5 to 1000 ppm in 1 ppm steps.

Lower upkeep cost
: replaceable electrode module.

Easy recording
: hold key freezes the value on screen.

Flexible calibration
: one button, with a standard of your choice.

Long battery life
: around 150 hours, helped by auto power-off.

Technical Specifications

GENERAL	
General	Measured data for the Master Science Mid-Range TDS Tester are listed below.
Brand	Master Science
Model Number	MSTDS-P10MSWISS
SKU	MSTDS-P10MSWISS
TDS Range	**5 to 1000 ppm**
TDS Resolution	1 ppm
TDS Accuracy	**±1% F.S.**
Calibration Points	1 point
Temperature Range	**0 to 50°C**
Temperature Resolution	1°C
Temperature Accuracy	**±1°C**
Temperature Compensation	0 to 50°C, automatic
TDS Factor	0.4 to 1.0 (default 0.5)
Hold Function	Manual
Auto-Off	8 minutes after last key press
Operating Temperature	0 to 50°C
Display	Single-line LCD (21 x 21 mm)

POWER	
Power	3 x 1.5 V LR44 micro alkaline batteries
Battery Life	About 150 hours of continuous use

DIMENSIONS & WEIGHT	
Dimensions	185 (L) x 40 (Dia.) mm
Weight	100 g

COMMON PROBLEMS THIS TESTER SOLVES	
Common Problems This Tester Solves	Routine water checks often go wrong for simple reasons.
Readings drift with water temperature	: automatic compensation corrects the value between 0 and 50°C.
The number changes before it is written down	: the hold key keeps it on the display.
Batteries run flat in a drawer	: the tester shuts off by itself after 8 minutes.
A worn sensor means buying a new meter	: only the electrode module needs replacing.

Applications

The Master Science Mid-Range TDS Tester is intended for general water checks such as: Tap water and clean water Aquariums General industrial water checks

Measurement

- One-point push-button calibration accepts a custom calibration solution
- Automatic temperature compensation from 0 to 50°C
- Adjustable TDS factor from 0.4 to 1.0

Handling

- Hold function freezes the reading for viewing and note-taking
- Auto power-off after 8 minutes without a key press
- Replaceable electrode module keeps maintenance cost down
- Single-line LCD, 21 x 21 mm