# 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**
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

## 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