Pocket Salinity Tester - Pen Type Salinity and Conductivity Meter - 0.01 ppt, ±1% F.S.

Model **MSSAL-P10SWISS, MSSAL-P20SWISS** | Brand **Master Science**





The Master Science Pocket Salinity Tester is a pen-sized meter that reads salinity and also offers a conductivity mode, so one tool covers both checks. Two versions are offered: MSSAL-P10SWISS for 0.00 to 10.00 ppt and MSSAL-P20SWISS for 0.00 to 80.00 ppt, each with 0.01 ppt resolution.

KEY HIGHLIGHTS

- Two measurements in one pen
- Fine resolution
- Fast, reliable response
- Less guesswork
- Calibration made simple

AT A GLANCE

0 to 60°C / 32 to 140°F TEMPERATURE RANGE	**±1% F.S.** SALINITY ACCURACY
0.1°C / 0.1°F TEMPERATURE RESOLUTION	**±1°C / ±1.8°F** TEMPERATURE ACCURACY

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

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Overview

A platinum conductivity cell gives quick, dependable readings, and the Master Science Pocket Salinity Tester recognises conductivity standards on its own during 1 to 3 point calibration. Temperature is shown on the second display line and compensated automatically across the full range.

The table data for both versions of the Master Science Pocket Salinity Tester are given below.

For bench-free field work with wider ranges, see the Master Science portable conductivity meter.

Key Benefits

Two measurements in one pen
: the Master Science Pocket Salinity Tester reads salinity and conductivity.

Fine resolution
: 0.01 ppt on both versions.

Fast, reliable response
: platinum conductivity cell.

Less guesswork
: Auto-Read locks the value at the endpoint.

Calibration made simple
: standards are recognised automatically.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSSAL-P10SWISS, MSSAL-P20SWISS
SKU	MSSAL-P10SWISS, MSSAL-P20SWISS
Salinity Range	**0.00 to 10.00 ppt (MSSAL-P10SWISS); 0.00 to 80.00 ppt (MSSAL-P20SWISS)**
Salinity Resolution	0.01 ppt
Salinity Accuracy	**±1% F.S.**
Conductivity Range	**0 to 20.00, 200.0, 2000 µS/cm, 20.00 mS/cm (MSSAL-P10SWISS); 100.0 to 2000 µS/cm, 20.00, 200.0 mS/cm (MSSAL-P20SWISS)**
Conductivity Resolution	0.01, 0.1, 1
Conductivity Accuracy	**±1% F.S.**
Calibration Points	1 to 3 points
Calibration Solutions	84 µS/cm, 1413 µS/cm, 12.88 mS/cm (MSSAL-P10SWISS); 1413 µS/cm, 12.88 mS/cm, 111.8 mS/cm (MSSAL-P20SWISS)
Temperature Range	**0 to 60°C / 32 to 140°F**
Temperature Resolution	0.1°C / 0.1°F
Temperature Accuracy	**±1°C / ±1.8°F**
Temperature Offset Calibration	1 point, reading ±10°C
Temperature Compensation	0 to 60°C, automatic
Hold Function	Manual or auto-endpoint
Auto-Off	8 minutes after last key press
Operating Temperature	0 to 50°C
Display	Dual-line LCD (21 x 21 mm)
Power	2 x 1.5 V AAA batteries

DIMENSIONS & WEIGHT

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

COMMON PROBLEMS THIS TESTER SOLVES

Common Problems This Tester Solves	Salinity checks in the field often suffer from the same few issues.
Unsure when the reading has settled	: Auto-Read holds the value once the endpoint is reached.
Temperature swings distort results	: automatic compensation works from 0 to 60°C.
Calibration mistakes with the wrong standard	: the meter identifies conductivity standards by itself.
Settings changed by another user	: one reset returns the factory defaults.

Applications

The Master Science Pocket Salinity Tester fits routine salinity checks in: Aquaculture and aquarium water Seawater and brackish water sampling Food brines and process solutions Teaching and field laboratories

Measurement

- Salinity tester with a built-in conductivity measurement mode
- Platinum conductivity cell for quick and reliable results
- 1 to 3 point calibration with automatic recognition of conductivity standards
- Automatic temperature compensation over the entire range
- Auto-Read function senses and locks the measurement endpoint

Setup

- Setup menu for number of calibration points, auto power-off and other settings
- Reset function restores all settings to factory defaults
- Dual-line LCD shows the reading together with temperature