Benchtop pH Meter - pH/ORP Laboratory Meter - -2.00 to 20.00 pH - ±0.01 pH Accuracy

Model **MSPH-100BSWISS** | Brand **Master Science**







The Master Science Benchtop pH Meter measures pH, ORP (mV) and temperature in laboratory samples with ±0.01 pH accuracy. Automatic buffer recognition, one to three point calibration and automatic temperature compensation keep routine measurements quick and consistent.

KEY HIGHLIGHTS

- Quick, reliable calibration
- Accurate at any temperature
- Two measurements in one
- Easy record keeping
- Built for the bench

AT A GLANCE

-2.00 to 20.00 pH PH RANGE	**0.0 to 100.0 °C (32 to 212 °F)** ATC RANGE
-1999.9 to +1999.9 mV ORP RANGE	**±0.01 pH ±1 digit** PH ACCURACY

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

A 7-inch white-backlit display shows readings, stability status and calibration information clearly, while results can be stored on the meter and exported to a flash drive or optional wireless printer.

Key Benefits

Quick, reliable calibration
automatic buffer recognition and stability indication reduce calibration mistakes.

Accurate at any temperature
ATC from 0 to 100 °C corrects readings automatically.

Two measurements in one
the Master Science Benchtop pH Meter also reads ORP for redox monitoring.

Easy record keeping
450 stored results with flash disk export.

Built for the bench
IP54 protection and a flexible electrode holder suit daily lab use.

For full water quality checks, see the Master Science laboratory instrument range.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSPH-100BSWISS
SKU	MSPH-100BSWISS
Parameters	pH/mV, ORP (mV), temperature
pH Range	**-2.00 to 20.00 pH**
pH Resolution	0.1 / 0.01
pH Accuracy	**±0.01 pH ±1 digit**
Calibration	1, 2 or 3 points, automatic
ATC Range	**0.0 to 100.0 °C (32 to 212 °F)**
ORP Range	**-1999.9 to +1999.9 mV**
ORP Resolution	0.1 / 1 mV
ORP Accuracy	**±0.1 % F.S. ±1 digit**
Temperature Range	**0.0 to 100.0 °C**
Temperature Accuracy	**±0.2 °C**
Protection	IP54
Power Supply	DC 12 V adapter

DISPLAY & DATA

Display	7-inch high-resolution, white backlight
Data Storage	450 records
Data Export	Flash disk; optional wireless printer

COMMON LABORATORY PROBLEMS AND HOW THIS PH METER HELPS

Common Laboratory Problems and How This pH Meter Helps	How the Master Science Benchtop pH Meter helps with typical pH testing issues:
Readings taken before the electrode stabilises	the stable indicator shows when to record.
Temperature errors	ATC compensates automatically.
Lost handwritten results	data is stored and exported digitally.
Splashes on the meter	IP54 protection guards the housing.
Awkward electrode handling	the flexible holder keeps the probe in place.

Applications

The Master Science Benchtop pH Meter is used for

Water and wastewater testing Food and beverage QC Pharmaceutical and cosmetic formulation Chemical process control Education and research labs

Measurement

- pH, mV/ORP and temperature
- 0.01 pH resolution
- Automatic stable-reading indication

Calibration

- 1 to 3 point automatic calibration
- Calibration reminder and status display
- Automatic temperature compensation

Convenience

- 7-inch backlit display
- Flexible probe holder
- Flash disk and wireless printer output

Standard Accessories Included

- pH/ORP meter
- Plastic ATC pH electrode
- pH buffer solutions 4.00, 7.00 and 10.01 (50 mL each)
- Power adapter
- Flexible probe holder

Optional Accessories

- Wireless printer