

Water Activity Meter



MS1.000awHD4BSWISS Smart Water Activity Meter

The MS1.000awHD4BSWISS is an advanced and versatile water activity meter designed for precise measurement of water activity (aW) and temperature. Equipped with a robust design, it supports up to 4 sensors for simultaneous or independent measurements, making it ideal for a variety of applications including food, pharmaceutical, and chemical industries. Key Specifications

- Measuring Range:
- Water Activity (aW): 0~1.000 aW
- Temperature: -10°C to 50°C
- Accuracy:
- aW: ± 0.015 aW (@23°C \pm 5°C)
- Temperature: ± 0.3 °C

- Resolution:
- aW: 0.001 aW
- Temperature: 0.1°C
- Repeatability:
- aW: 0.008 aW
- Environment:
- Operating Temperature: -10°C to 50°C
- Humidity: 0~95% RH
- Data Storage:
- Stores up to 2000 sets of measurement results
- Data is exportable to PC via USB or RS232 interface
- Power Supply:
- AC 100~230V \pm 10%, 50Hz/60Hz
- Power Consumption:
- <10W
- Dimensions: 259 mm x 102 mm x 242 mm
- Interfaces:
- USB and RS232 for data transfer and printer connection

Features

1. High Stability and Durability:
 - Long operational life with reliable performance.

- Imported sensors ensure accuracy and prevent passivation.

1. Precise Measurements:

- Advanced data processing for superior accuracy.
- Fast measurement times (as short as 4-5 minutes).

1. User-Friendly:

- Large LCD display (128x64 dots) for easy readability.
- Audible alerts for completed measurements or calibrations.

1. Versatile Applications:

- Suitable for testing solids, liquids, and powders.
- Works across a wide temperature range and is chemically resistant.

1. Data Handling:

- Saves real-time or final results.
- PC software enables data export, analysis, and storage as files or spreadsheets.

1. Calibration Options:

- Multi-point joint calibration or single-point calibration available.

1. Printing Capability:

- Built-in micro-printer for real-time or batch printing of results.
- Optional stylus printer for long-term data recording.

1. Compact and Portable:

- Lightweight design with a durable aluminum carrying case.

Applications

- Food Industry: Helps predict microbial proliferation, optimize packaging, and select preservatives.
- Pharmaceuticals: Ensures product stability and compliance with regulatory standards.
- Chemicals and Cosmetics: Verifies material stability in varying conditions.

Packing List

No.	Item	Quantity
1	Water activity meter (HD-4B)	1 unit
2	WSC-4 water activity sensor	1~4 (optional)
3	Micro printer	1 unit
4	Glassware dishes (6 cm)	4 units
5	Power line for the machine	1 unit
6	External power for printer	1 unit
7	Operating manual	1 unit
8	Quality guarantee	1 unit
9	Aluminum carrying box	1 unit

Why Choose MS1.000awHD4BSWISS?

With its high accuracy, chemical resistance, and ability to handle up to 4 sensors, the MS1.000awHD4BSWISS is perfect for industries requiring reliable water activity measurements. Its portability, user-friendly features, and advanced data management make it an excellent choice for professionals in food safety, pharmaceuticals, and beyond.