Water Activity Meter

Model **MS1.000awHD4BSWISS** | Brand **Master Science**



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 HIGHLIGHTS

- Applications

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

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Key Features

- Built-in micro-printer for real-time or batch printing of results.

LIGHTWEIGHT DESIGN WITH A DURABLE ALUMINUM CARRYING CASE.

- **Applications**

Technical Specifications

PARAMETER	SPECIFICATION
Water Activity (aW)0~1.000 aW	
Temperature-10°C to 50°C	
aW±0.015 aW (@23°C ± 5°C)	
Temperature±0.3°C	
aW0.001 aW	
Temperature0.1°C	
aW0.008 aW	
Operating Temperature-10°C to 50°C	
Humidity0~95% RH	
Dimensions259 mm × 102 mm × 242 mm	

Applications

Suitable for testing solids, liquids, and powders.

Works across a wide temperature range and is chemically resistant.

Saves real-time or final results.

PC software enables data export, analysis, and storage as files or spreadsheets.

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

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

Why Choose MS1.000awHD4BSWISS?

Additional Information

MEASURING RANGE
ACCURACY
RESOLUTION
REPEATABILITY
ENVIRONMENT
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 ±10%, 50Hz/60Hz
POWER CONSUMPTION
<10W
INTERFACES
USB and RS232 for data transfer and printer connection
HIGH STABILITY AND DURABILITY
Long operational life with reliable performance.
Imported sensors ensure accuracy and prevent passivation.
PRECISE MEASUREMENTS
Advanced data processing for superior accuracy.
Fast measurement times (as short as 4-5 minutes).
USER-FRIENDLY
Large LCD display (128×64 dots) for easy readability.
Audible alerts for completed measurements or calibrations.
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.

Standard Accessories Included

- 1: Item: Water activity meter (HD-4B)
- Quantity: 1 unit
- 2: Item: WSC-4 water activity sensor
- Quantity: 1~4 (optional)
- 3: Item: Micro printer
- Quantity: 1 unit
- 4: Item: Glassware dishes (6 cm)
- Quantity: 4 units
- 5: Item: Power line for the machine
- Quantity: 1 unit
- 6: Item: External power for printer
- Quantity: 1 unit
- 7: Item: Operating manual
- Quantity: 1 unit
- 8: Item: Quality guarantee
- Quantity: 1 unit
- 9: Item: Aluminum carrying box
- Quantity: 1 unit