Water Activity Meter

Model **MS1.000aWHD6SWISS** | Brand **Master Science**



Water Activity Meter

This device is ideal for industries that require precise water activity and temperature measurements, such as:

KEY HIGHLIGHTS

- Long operational life (average time free from system fault
- Packing List

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

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Overview

The Smart Water Activity Meter (Model: MS1.000aWHD6SWISS) is a versatile and highly accurate tool for measuring water activity (aW) and temperature across a wide range of materials, including solids, liquids, and powders. Here's an organized summary of its key specifications and features:

> With its high accuracy, reliable performance, and ease of use, the MS1.000aWHD6SWISS Smart Water Activity Meter is a cutting-edge solution for professionals seeking precise and efficient testing tools.

Key Features

Long operational life (average time free from system fault
18,000 hours).

RELIABLE PERFORMANCE WITH VOLATILE MATERIALS.

Real-time data saving, customizable data storage intervals, and auto-measurement options.

PC software included for displaying curves, saving/exporting data, and managing equipment.

RS232 and USB ports enable connection to mini printers or PCs.

FLEXIBLE CALIBRATION OPTIONS (SINGLE OR MULTIPLE POINTS).

Supplied in a robust aluminum carrying case for easy transport.

Packing List

Technical Specifications

PARAMETER	SPECIFICATION
Measuring Range (Water activity (aW))	0~1.000 aW
Measuring Range (Temperature)	-10°C to 50°C
Accuracy (aW)	±0.012 aW (@23°C ± 5°C)
Accuracy (Temperature)	±0.5°C
Resolution (aW)	0.001 aW
Resolution (Temperature)	0.1°C
Repeatability (aW)	≤0.008 aW
Environment (Operating temperature)	-10°C to 50°C
Environment (Humidity)	0~95% RH
Environment (Power Supply)	100~230VAC, 50Hz/60Hz
Environment (Power Consumption)	<10W per sensor
Data Storage (Display)	Large LCD, 128×64 dots
RS232 and USB	
Maximum 5000 data sets	
Saves real-time or final results, exportable to PC	

Applications

- **Food safety and preservation**
- **Pharmaceuticals**
- **Cosmetics**
- **Agricultural products**
- **Chemicals**

Standard Accessories Included

- Water activity meter machine (1 unit)
- Water activity sensors (1-4 sensors, based on configuration)
- USB software disk (1 unit)
- Sample containers (5 units, 6 cm dishes)
- Power line (1 unit)
- USB line (1 unit)
- RS232 lines (2 units)
- Operating manual (1 unit)
- Quality guarantee (1 unit)
- Aluminum portable box (1 unit)

Optional Accessories

- Micro printer