

## Water Activity Meter



- 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:  
Key Specifications
  - Measuring Range:
  - Water activity (aW): 0~1.000 aW
  - Temperature: -10°C to 50°C
  - Accuracy:
    - aW:  $\pm 0.012$  aW (@23°C  $\pm$  5°C)
    - Temperature:  $\pm 0.5$ °C
  - Resolution:
    - aW: 0.001 aW

- Temperature: 0.1°C
- Repeatability:
- aW:  $\pm 0.008$  aW
- Environment:
- Operating temperature: -10°C to 50°C
- Humidity: 0~95% RH
- Power Supply: 100~230VAC, 50Hz/60Hz
- Power Consumption: <10W per sensor
- Interfaces:
- RS232 and USB
- Data Storage:
- Maximum 5000 data sets
- Saves real-time or final results, exportable to PC

Features Display: Large LCD, 128x64 dots

1. High Stability & Durability:
  - Long operational life (average time free from system fault: 18,000 hours).
  - Imported chip for enhanced stability and precision.
1. Accurate and Efficient:
  - Advanced data processing for highly accurate results.
  - Fast measurements (as short as 4-5 minutes).
1. Versatility:
  - Measures various types of samples (solid, liquid, powder).
  - Operates efficiently across a wide temperature range.
1. Chemical Resistance:
  - Reliable performance with volatile materials.
1. User-Friendly Interface:
  - Real-time data saving, customizable data storage intervals, and auto-measurement options.
1. Data Handling:
  - PC software included for displaying curves, saving/exporting data, and managing equipment.
  - RS232 and USB ports enable connection to mini printers or PCs.
1. Calibration:
  - Flexible calibration options (single or multiple points).

1. Portable Design:

Packing List: Supplied in a robust aluminum carrying case for easy transport.

◦ Included Components:

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

◦ Optional Add-ons:

Application: Micro printer

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

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

With its high accuracy and 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.