

# AwLab Plus Water Activity Meter

BENCHTOP WATER ACTIVITY METER

AwLab Plus is a high-performance benchtop water activity meter designed for laboratories, pharmaceutical manufacturers, food producers, cosmetics companies, research institutes, and quality control departments.

MODEL: AWLAB PLUS

CE · FCC · PSE · ROHS CERTIFIED



# Key Specifications

Featuring a large 7-inch touchscreen, advanced imported sensor technology, and support for up to four independent measurement channels, AwLab Plus significantly improves testing efficiency while delivering highly accurate and reliable water activity measurements. Designed with data integrity and regulatory compliance in mind, AwLab Plus includes audit trail functionality, user access management, and support for CFR 21 Part 11, GMP, and GLP requirements — making it an ideal solution for regulated laboratory environments.

## ±0.01

### Aw Accuracy

Resolution: 0.0001 Aw

## 4

### Measurement Channels

Simultaneous independent testing

## 3mins

### Fastest Test Time

Typical: ~5 minutes

## 65K

### Records per Channel

Long-term data traceability

## Why Choose AWLAB PLUS?

### Compliance and Data Integrity

Designed for pharmaceutical and regulated industries.

Audit Trail, User-level management, CFR 21 Part 11, GMP&GLP, 3Q validation

### 7-Inch Touchscreen Interface

Real-time data display, test result monitoring, temperature and water activity trend curves, and intuitive navigation for improved visibility and user interaction.

### Laboratory-Grade Accuracy

Advanced imported sensors deliver ±0.01 Aw accuracy, 0.0001 Aw resolution, and long-term stability of <0.0025 Aw/year — dependable data for quality control, shelf-life studies, and research.

### Fast Measurement Technology

Fast, Standard, and Continuous Measurement Modes with results in as little as 3 minutes (typical ~5 minutes), helping laboratories significantly improve testing efficiency.

# Key Features



## 4-Channel Measurement

Up to 4-channel



## Professional Sensors

Professional water activity sensors



## Fast Measurement

Fastest 3 minutes; typical 5 minutes



## 3 Measurement Modes

Quick, Normal, and Continuous



## Compliance

AOAC, ISO, USP and etc.



## Data Storage

Storage of up to 65535 records per channel



## Connectivity

USB & RS232



## USB & Soft Data Export

Export to Excel, BMP & USB



## Certifications

CE, FCC, PSE, and RoHS

# Typical Applications



## Food Industry

Shelf-life prediction for baked goods, meat products, dairy products, and snack foods



## Pharmaceutical Industry

Water activity quality control for active pharmaceutical ingredients, tablets, and capsules



## Cosmetics Industry


Water activity control for skincare, makeup, and personal care products



## Research & Testing

Essential instrument for universities, research institutes, and third-party testing laboratories

# Technical Specifications

|   |   |
|---|---|
| <b>Measurement Type</b>   | Water Activity (Aw)   |
| <b>Measurement Range</b>  | 0.0000 – 1.0000 Aw  |
| <b>Resolution</b>   | 0.0001 Aw   |
| <b>Accuracy</b>   | ±0.01 Aw (10–30°C)  |
| <b>Temperature Accuracy</b>   | ±0.1°C  |
| <b>Temperature Range</b>  | -10 to 50°C   |
| <b>Operating Conditions</b>   | -10 to 40°C   |
| <b>Long-Term Stability</b>  | <0.0025 Aw/year   |
| <b>Measurement Channels</b>   | Up to 4 Channels  |
| <b>Measurement Modes</b>  | Fast, Standard, and Continuous  |
| <b>Calibration</b>  | 1 to 6 Points Calibration   |
| <b>Display</b>  | 7-inch Capacitive Touchscreen LCD   |
| <b>Data Storage</b>   | 65535 Records per Channel   |
| <b>Audit Trail &amp; User Management</b><br><b>CFR 21 Part 11 &amp; GLP GMP</b> |  |
| <b>Printer</b>  | Built-In Thermal Printer  |
| <b>Communication</b>  | USB RS232/RS485   |
| <b>Housing Material</b>   | Steel Plate   |
| <b>Power Supply</b>   | 110–230 V AC, 50/60 Hz  |
| <b>Dimensions</b>   | 251 x 120 x 220 mm  |
| <b>Weight</b>   | Approx. 3 kg  |
| <b>Languages</b>  | English , Chinese, French, Spanish or other   |
| <b>Certifications</b>   | CE, FCC, PSE, RoHS  |

# Standard Package & Ordering Information

## Standard Package Contents

- AwLab Plus Main Unit × 1
- Water Activity Probe AwSensor-P× 1
- Measurement Base AwBase× 1
- Sample Cups × 20
- AWSoft Data Analysis Software × 1(download)
- USB Cable × 1
- Power Adapter × 1
- User Manual × 1

## Ordering Configurations

| Order No. | Model      | Description      |
|-----------|------------|------------------|
| 3000      | AwLab Plus | Standard Package |

## Optional Accessories

| Order No. | Model      | Description                   |
|-----------|------------|-------------------------------|
| 9000      | AwSensor-P | Water Activity Probe for Plus |
| 9001      | AwBase     | Measurement Base              |
| 9002      | AwCup      | Sample Cup                    |
| 9003      | AwStandard | Calibration Standard          |
| 9004      | AwPaper    | Printer Paper                 |
| 9010      | AwRS485    | RS485 Communication           |

## Contact Us



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