

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

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