

AwTester

Laboratory Accuracy in a Portable Design

AwTester is a professional portable water activity meter designed for rapid and accurate measurement of water activity (Aw) in food, pharmaceutical, biotechnology and industrial applications. Combining advanced sensor technology with a compact handheld design, it delivers laboratory-grade performance while remaining easy to carry and operate in production facilities, laboratories, warehouses and field environments.

With a minimum test time of only **3 minutes**, built-in data storage, multilingual operation and optional wireless communication, AwTester provides an efficient and affordable solution for modern quality control and research applications.

MODEL: AWTESTER

CE · FCC · PSE · ROHS CERTIFIED



Why Choose AwTester?

AwTester combines six key advantages — portability, speed, accuracy, value, smart data management and multilingual support — into one handheld instrument designed for demanding quality control and research applications.



Compact & Portable

Lightweight handheld design for measurements anytime, anywhere — ideal for laboratories, production lines, warehouses and field inspections.



Fast Measurement

Fast mode delivers results in as little as **3 minutes**; typical measurement time approximately 5 minutes. Improved testing efficiency without significant loss of accuracy.



Professional Accuracy

Advanced sensor with accuracy up to **± 0.015 Aw**, resolution up to 0.0001 Aw, and long-term stability better than 0.0025 Aw/year.



Excellent Value

Professional-grade performance at a fraction of the cost of traditional laboratory water activity instruments, providing an ideal balance of performance, functionality and affordability.



Smart Data Management

Storage for up to **5,030 records**, measurement history review, software data export and optional Bluetooth printing for easy documentation and quality traceability.



Global Ready

Supports multiple languages including English, Chinese, French and Spanish — suitable for international users and global distribution.

Key Features & Technical Specifications

Key Features

- **Portable handheld design**
- **Laboratory-grade accuracy**
- **Fast measurement mode (minimum 3 minutes)**
- **Standard measurement mode**
- **Advanced water activity sensor**
- **High-resolution color TFT display**
- **Data storage up to 5,030 records**
- **USB communication**
- **Optional Bluetooth printer support**
- **Multi-point calibration**
- **Multilingual user interface**
- **CE, FCC, PSE and RoHS certified**
- **Rechargeable and battery-powered operation**
- **Cost-effective solution for professional users**

Technical Specifications

Measurement Type	Water Activity (Aw)
Measurement Range	0.0000 – 1.0000 Aw / -10.00 – 50.00 °C
Resolution	0.0001 Aw / 0.01 °C
Accuracy	±0.015 Aw / ±0.1 °C
Fastest Measurement Time	3 Minutes
Typical Measurement Time	5 Minutes
Data Storage	5,030 Records
Display	Color TFT Screen
Calibration	Multi-point Calibration
Language Options	English, Chinese, French, Spanish
Communication	USB / Optional Bluetooth
Power Supply	USB / 4 × AA Batteries
Operating Temperature	-10 – 50°C
Long-Term Stability	<0.0025 Aw/year
Certifications	CE, FCC, PSE, RoHS

AwTester vs. Traditional Laboratory Instruments

Feature	AwTester	Traditional Bench Meter
Portable Design	✓	✗
Field Testing	✓	✗
Fast Measurement	✓	✓
Battery Operation	✓	✗
Data Storage	✓	Limited
Cost Effective	✓	✗
Laboratory Accuracy	✓	✓

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

Smart Data Management & Ordering

Smart Data Management

AwTester helps users maintain complete testing records for quality assurance and regulatory compliance. Features include:

Storage of up to **5,030 measurements**

Review historical test records

Data export through software

Optional Bluetooth printer

Traceable quality documentation

Simplified audit preparation

Ordering Information

Model: AwTester (Order No. 1003)

Description: Portable Water Activity Meter

Standard Package Includes:

- Main Unit
- Probe AwSensor
- AwBase
- Sample Cups × 10
- USB Cable
- User Manual
- Carrying Case
- AwSoft (download)

Small Size. Professional Accuracy. Exceptional Value.

AwTester combines laboratory-grade measurement performance with true portability. Whether used in food production, pharmaceutical manufacturing, research laboratories or field inspections, AwTester helps professionals obtain fast, reliable and accurate water activity measurements while reducing testing costs and improving operational efficiency.

Accurate Measurements Anywhere. Faster Decisions. Better Quality Control.

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