Fast—water activity readings in 5 minutes or less.

ENSURE THE SAFETY AND QUALITY OF YOUR PRODUCTS

- **Accurate —** ±0.003 a_w

- **Verifiable —** with independent salt standards.

- **Repeatable —** different users, different locations, same result.

- **Portable —** the meter weighs just 7 pounds.

- **Easy to use —** precise measurements with minimal training.

- **Secure —** offers administrative control over calibration and sample data.

- **Proven —** used by 80 of the top 100 food companies.

Use AquaLab to get lab-quality water activity measurements at the line, receiving dock, processing plant, storage facility—anywhere you need to verify the safety and quality of your products and ingredients.

Speed and Accuracy
Measure water activity in 5 minutes or less (average read time: 2.5 minutes) with ±0.003 a_w accuracy. AquaLab instruments are the fastest, most precise water activity meters available.

Use (Almost) Anywhere
Water activity is temperature dependent. Internal temperature control lets you set a measuring temperature between 15º- 50°C and use the instrument anywhere—even outside a climate-controlled facility.

How it Works
Put a 7.5 ml product sample in a disposable cup, seal the sample chamber lid over the sample, and wait for vapor equilibrium.

An infrared beam focused on a tiny mirror determines the precise dewpoint temperature of the sample. That dewpoint temperature is then translated into water activity.

Easy to Clean
The sample chamber lid flips up so contaminated sensors are quick to spot and easy to clean.

Secure Data
The 4TE stores time, date, and user information with every measurement and calibration, and can store up to 8,000 secure data points.

Administrative functions can be set to control access to data. Designate up to 25 unique users and passwords. Use the RS-232 serial data port to download or print data for statistical analysis and to maintain compliance records and archives.

Easy to Use
AquaLab Series 4TE makes water activity measurements quick, accurate, and simple. Using AquaLab, anyone, from a researcher in the lab to an operator at the line, can measure water activity in 5 minutes or less to 0.003 a_w specifications. That means tighter control points, better quality, and a leaner operation.

Learn More
Visit wateractivity.com to see how water activity can keep your products safe and your process lean. ∎

AQUA LAB BY DECAGON

AquaLab 4TE
Dewpoint Water Activity Meter

Free Loaner Service During
Warranty Period

Free Technical Support

Free Application Support
over the life of the instrument

Sensor Types
a. Chilled-mirror dewpoint
b. Infrared temperature

Accuracy
±0.003 a_w

Repeatability
±0.001 a_w

Resolution
±0.0001 a_w

Range
0.050 to 1.000 a_w

Sample Dish Capacity
7 ml recommended (15 ml full)

Measurement Time
Less than 5 minutes

Display
128 x 64 pixel lcd display
with backlighting.

Temperature Control
15 to 50°C (±0.2°C)

Test Result Memory
8,000 readings (each reading
includes water activity, moisture
content, temperature, time, date,
operator, and sensor used)

Program Identification
Alphanumeric; Programmable
to display product name, lot, or
product ID number

Operating Environment
5 to 50°C (39.2 to 122°F)
20 to 80% Relative Humidity
(non-condensing)

Universal Power
110 V to 220 V AC, 50/60 Hz
Less than 0.4 amps

Data Interface
RS232A compatible,
8-data bit ASCII code,
9600 baud, no parity, 1 stop bit,
cable included

Case Dimensions
26.7 x 18.0 x 12.7 cm
(11 x 7.1 x 5.1 in)

Case Material
Machined aluminum frame;
injection molded plastic cover

Weight
3.18 kg (6.9 lb)

Warranty
One year, factory parts & labor

Certifications
CE; AOAC Approved Method for
Measurement of Water Activity,
Part 11 Compliance

AQUA LAB
BY DECAGON