



■ **Accurate** —

±0.01 a_w

■ **Verifiable** —

with independent salt standards.

■ **Repeatable** —

different users, different locations, same result.

■ **Easy to use** —

precise measurements with minimal training.

AFFORDABLE BENCHTOP WATER ACTIVITY

Repeatable measurements, solid support

The AquaLab Pre is a robust entry-level water activity meter with stripped down form, not limited function. It uses the same **industry-standard primary a_w method** you find in the top-of-the-line AquaLab Series 4TE. The Pre may look basic, but that's because all the good stuff is inside.

Minimum maintenance. The Pre uses the dew point method—a primary measurement of water

activity, that eliminates the need for lengthy sensory calibration. **Just a quick verification check** and you're good to go.

Real water activity—FAST. No need to sacrifice accuracy for speed. Primary dewpoint measurement allows the Pre to deliver **top-accuracy readings in 5 minutes or less.**

Solid repeatability. Water activity is temperature

dependent; measuring at the same temperature every time assures consistency in your readings. The Pre holds the sample at 25 °C so **temperature fluctuations won't affect your readings.**

Reliable accuracy. The Pre dewpoint method and temperature-stable features mean good agreement between the Pre and the Series 4. Its basic **0.01 a_w accuracy** enables many of our customers to add water

activity testing at the line, loading dock, or offsite facility.

Dependable support. The Pre includes Decagon's **free technical support**—food scientists and instrument specialists just a phone call away.

Full range. The Pre lets you measure over the whole range of water activities, **0.05 to 1.00 a_w .**

**AQUA
LAB**
BY DECAGON

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AquaLab PRE Specifications

Sensor Types

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

Accuracy

- ±0.01 a_w dew point
- ±0.015 a_w volatiles

Resolution

Chilled Mirror: 0.001 a_w

Range

0.05 to 1.000 a_w

Sample Dish Capacity

7.5 ml recommended (15 ml full)

Measurement Time

Less than 5 minutes

Display

20 x 2 alphanumeric display with backlighting

Temperature Control

25°C

Sample Temperature Accuracy

±0.2 °C

Operating Environment

4 to 50 °C (39.2 to 122 °F)
0 to 90% 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

Case Dimensions

24.1 x 22.9 x 8.9 cm

Case Material

Powder Painted Aluminum

Weight

3.2 kg

Warranty

One year, parts & labor

Certifications

CE; AOAC Approved Method for Measurement of Water Activity

AquaLab PRE Dewpoint Water Activity Meter



Free Loaner Service During
Warranty Period

Free Technical Support

Free Application Support
over the life of the instrument

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