



- **Accurate** —  
±0.01 a<sub>w</sub>
- **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<sub>w</sub> 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.

Pre uses the dewpoint 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 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. Pre holds the sample at 25°C so **temperature fluctuations won't affect your readings.**

### Reliable accuracy.

Pre's dewpoint method and temperature-stable features mean good agreement between the Pre and the Series 4. Its basic **0.01 a<sub>w</sub> accuracy** enables many of our customers to add water

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

### Dependable support.

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

### Full range.

Pre lets you measure over the whole range of water activities, **0.05 to 1.00 a<sub>w</sub>.**

**AQUA  
LAB**  
BY DECAGON

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## AquaLab PRE Specifications

### Sensor Types

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

### Accuracy

±0.01 a<sub>w</sub>

### Resolution

Chilled Mirror: ±0.001 a<sub>w</sub>

### Range

0.05 to 1.000 a<sub>w</sub>

### Sample Dish Capacity

7 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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