



- 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, minimum maintenance.

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. 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. Primary measurement allows Pre enjoy a distinctive advantage in speed. Pre delivers top-accuracy readings in five minutes or less—no need to sacrifice accuracy for speed.

Solid repeatability. Pre holds the sample at 25°C so

temperature fluctuations won't affect your readings. Water activity is temperature dependent; measuring at the same temperature every time assures consistency in 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_w accuracy enables many of our customers to add

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

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

AquaLab PRE Specifications

Sensor Types

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

Accuracy

± 0.01 a_w

Resolution

Chilled Mirror: ± 0.001 a_w

Range

0.05 to 1.000 a_w

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

$\pm 0.2^\circ\text{C}$

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

