



AQUALAB PRE

WATER ACTIVITY METER



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 AQUALAB 4TE. 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 AQUALAB'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 .

AQUALAB PRE Specifications

TECHNICAL 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 × 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 × 22.9 × 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

FEATURES SUMMARY

- 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.
- 1 Year Warranty Period
- Free Technical Support
- Free Application Support over the life of the instrument