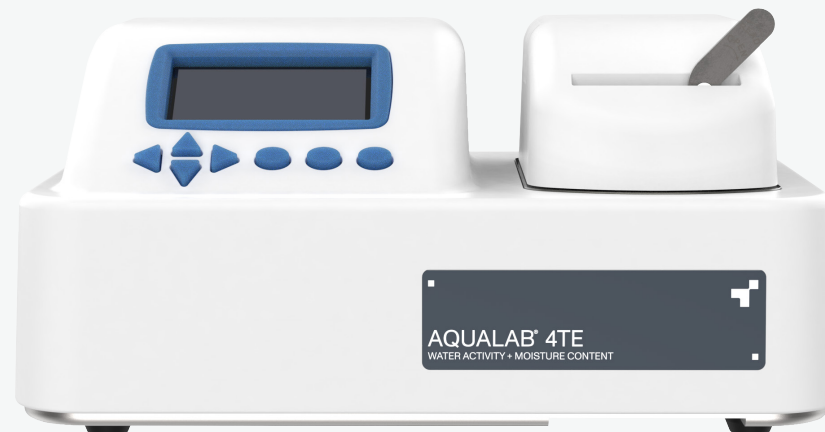




AQUALAB 4TE

Water Activity Meter



Master food safety

Fast. Precise. First. The AQUALAB leads the market in speed and accuracy.

Speed and accuracy

Measure water activity (a_w) in 5 minutes or less (average read time: 2.5 minutes) with $\pm 0.003 a_w$ accuracy. AQUALAB instruments are the fastest, most precise water activity meters available.

Measure anywhere

Use the AQUALAB 4TE to get lab-quality measurements at the line, receiving dock, processing plant, storage facility—anywhere you need to test and verify the safety and quality of your products and ingredients.

Internal temperature control lets you set a measuring temperature between 15 and 50 °C and use the instrument anywhere—even outside the QC lab.

How it works

The secret to the 4TE's speed and accuracy is in its unique chilled mirror dew point sensor. The dew point sensor is a primary measure of water activity. Dew point is the temperature at which a sample of moist air at constant pressure reaches water vapor saturation. Unlike other water activity sensors, the dew point sensor actually measures water activity (a_w), not some secondary parameter merely correlated with water activity (a_w). This makes the 4TE extremely accurate, so you can have complete confidence in your sample readings.

Easy to clean

The sample chamber lid flips up so contamination in the sample chamber is quick to spot and easy to clean.

Secure food safety data

The AQUALAB water activity meter 4TE stores time, date, and user information with every measurement and calibration, and can store up to 10,000 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.

AQUALAB 4TE SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Measurement Specifications	Water Activity	Range: 0.030–1.000 a _w Resolution: 0.0001 a _w Accuracy: ±0.003 (4TE dew point) ± 0.015 (4TEV capacitance) Repeatability: 0.001 a _w
	Temperature	Range: 15-50 °C Resolution: 0.01 °C Accuracy: ±0.1 °C
	Read time	~5 min
Physical Specifications	Case dimensions	Length: 26.7 cm (10.5 in) Width: 17.8 cm (7.0 in) Height: 12.7 cm (5.0 in)
	Case material	POLYLAC PA-765 (ABS) with fire retardant
	Sample cup capacity	14 mL (0.47 fl oz)
	Weight	3.1 kg (6.8 lb)
	Display	64 × 128 graphical
	Operating temperature	Minimum: 4 °C Maximum: 50 °C
	Operating environment	0%–90% noncondensing
	Data communications	USB A and RS-232 serial 9,600–115,000 baud
	Power	110–220 VAC 50/60 Hz
COMPLIANCE		Complies with ISO 18787:2017 Manufactured under ISO 9001:2015 EM ISO/IEC 17050:2010 (CE Mark)

FEATURES SUMMARY

- Fast: 5 minutes or less
- Accurate: ±0.003 a_w
- Verifiable with standards
- Repeatable
- Portable: 3 kg
- Easy to use: Precise measurements, minimal training
- Secure: Conforms to 21 Part CFR 11
- Proven: Used by 90+ of the top 100 US food manufacturers