



New AQUALAB 3 WATER ACTIVITY METER

DESCRIPTION

Avoid rework and scrapped batches

Make fast decisions at the line to address issues before your process goes out of control. Get “outside operating limits” indicators within 60 seconds and use the predicted final values to adjust belt speed, oven temperatures, water content in dough, and other parameters before they result in rework or scrap. Fast water activity measurements offer the most precise way to monitor and control moisture at the line.

Speed changes everything

One minute water activity offers options you’ve never had before for robust and rapid pass/fail determination, tighter process control capability, and rock-solid indicators to clear shipments on time.



AQUALAB 3 WATER ACTIVITY

The speed challenge

Normally, measuring water activity takes a significant amount of time. The sample must come to equilibrium with the air in the headspace above the sample before a reading can be taken. Depending on the sample, that can take 2-5 minutes—even longer for coated products and products high in fat. There hasn’t been a way around “equilibrium time” or “dwell time.” Until now.

Fast answers, no waiting

The new AQUALAB 3 breaks the

speed barrier. Using SKALA-powered predictive AI, it delivers both water activity and moisture content readings on a single sample in one minute.

Clear shipments quickly

AQUALAB 3 lets you know within one minute whether the batch will pass or fail. Quickly test as many samples as you need to establish a robust testing protocol and accurately predict in-package water activity. Don’t wait for answers—clear shipments quickly and avoid logistical snarls.

AQUALAB 4TE BENCHTOP WATER ACTIVITY

SPECIFICATIONS:

Water activity	Sensor type: Chilled mirror dewpoint Range: 0.030–1.000 a_w Resolution: 0.001 a_w Accuracy: $\pm 0.005 a_w$ Repeatability: 0.002 a_w
Temperature	Controlled at constant 25 °C Resolution: 0.1 °C Accuracy: ± 0.1 °C
Read time	One minute predictive
PHYSICAL SPECIFICATIONS	
Case dimensions	Length: 9.2 inches (23.4 cm) Width: 9.2 inches (23.4 cm) Height: 5.04 inches (12.1 cm)
Case material	Polycarbonate-ABS (PC-ABS)
Weight	11 lbs (5 kg)
Display	iPad
Operating temperature	15-35 °C
Operating environment	0% - 90% noncondensing
Sample dish capacity	7.5 mL recommended (15 mL full)
Power	110–240 VAC 47/63 Hz (Fuse 2A @ 250V)
COMPLIANCE	Manufactured under ISO 9001:2015 EM ISO/IEC 17050:2010 (CE Mark)

Contact info



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FEATURES

- Fast: water activity readings in 1 minute.
- Easy to use: precise measurements, minimal training
- Expandable: connect and manage multiple AQUALAB 3 instruments with one iPad
- Repeatable: certified standards for repeatability across users and locations
- Multiple reading types: simultaneous moisture content readings
- Optional block exchange program includes annual recalibration, extended warranty, and service plan

This Instrument is manufactured by our principle company

Meter Food - USA