



4TEV: 4TE & VOLATILES SENSOR

Switch sensors to
measure samples with
volatiles



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In addition to the standard dew point sensor, the Series 4TEV has a hygroscopic polymer capacitance sensor that can be used to measure the water activity of samples containing volatiles. You can switch between sensors using the instrument menu. The capacitance sensor is less accurate (± 0.015 aw) than the dew point sensor (± 0.003 aw).

For samples containing volatiles: 4TEV and AQUALAB TDL

The Series 4TEV is best for customers who occasionally need to measure

samples that contain volatile ingredients in low concentrations. If the product itself is volatile (soy sauce, alcohols, flavorings, black tea) or contains a high concentration of volatiles (flavored teas, sauces and seasonings), the laser sensor in the AQUALAB TDL is a better option.

4TE DUO WATER ACTIVITY & MOISTURE CONTENT

ACCESSORIES

- Temperature Equilibration Plate
- Printer
- Filters (3-pack)
- Carrying Case

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 x 128 graphical
Operating temperature	Minimum: 4 °C Maximum: 50 °C
Operating environment	0%–90% noncondensing
Sample dish capacity	7.5 mL recommended (15 mL full)
Data communications	USB A and RS-232 serial 9,600–115,000 baud
Power	110–220 VAC 50/60 Hz
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 5 minutes or less
- Switch easily between volatiles and non-volatiles sensors
- Volatiles sensor accuracy: $\pm 0.015 a_w$
- Non-volatiles sensor accuracy: $\pm 0.003 a_w$
- Verifiable with independent salt standards
- Repeatable: different users, different locations, same result
- Portable: the meter weighs just 7 pounds
- Easy to use: precise measurements with minimal training
- Secure: offers administrative control over calibration and sample data

This Instrument is manufactured by our principle company

Meter Food - USA