



## 4TEV: 4TE & VOLATILES SENSOR

Switch sensors to  
measure samples with  
volatiles



### 4TEV: 4TE & VOLATILES SENSOR

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 ( $\pm 0.015$  aw) than the dew point sensor ( $\pm 0.003$  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:

<b>Water activity</b>	Range: 0.030–1.000 $a_w$ Resolution: 0.0001 $a_w$ Accuracy: $\pm 0.003$ (4TE dew point) $\pm 0.015$ (4TEV capacitance) Repeatability: 0.001 $a_w$
<b>Temperature</b>	Range: 15-50 °C Resolution: 0.01 °C Accuracy: $\pm 0.1$ °C
<b>Read time</b>	~5 min
<b>PHYSICAL SPECIFICATIONS</b>	
<b>Case dimensions</b>	Length: 26.7 cm (10.5 in) Width: 17.8 cm (7.0 in) Height: 12.7 cm (5.0 in)
<b>Case material</b>	POLYLAC PA-765 (ABS) with fire retardant
<b>Sample cup capacity</b>	14 mL (0.47 fl oz)
<b>Weight</b>	3.1 kg (6.8 lb)
<b>Display</b>	64 x 128 graphical
<b>Operating temperature</b>	Minimum: 4 °C Maximum: 50 °C
<b>Operating environment</b>	0%–90% noncondensing
<b>Sample dish capacity</b>	7.5 mL recommended (15 mL full)
<b>Data communications</b>	USB A and RS-232 serial 9,600–115,000 baud
<b>Power</b>	110–220 VAC 50/60 Hz
<b>COMPLIANCE</b>	Manufactured under ISO 9001:2015 EM ISO/IEC 17050:2010 (CE Mark)

## Contact info



### Monitoring MENA

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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**