

# ENVIRONMENTAL TESTERS

## THERMO-HYGROMETER



### MODEL 1246

Measure humidity and temperature in all conditions



### FEATURES

- Measures temperature, humidity and dew point
- Dual line display toggles between any two of the measurements
- User selectable temperature units ( $^{\circ}\text{F}$  or  $^{\circ}\text{C}$ )
- Built-in sensor with removable protective cap
- Min and Max measurements stored
- Hold function freezes the display
- Spot or continuous recording up to 1 million measurements
- Blue luminescent backlit display
- Programmable alarms for temperature and humidity through included software
- USB and Bluetooth<sup>®</sup> communication
- Magnetic mount
- Battery or USB powered
- DataView<sup>®</sup> graphing and analysis software

### PRODUCT INCLUDES

Soft carrying case, 6 ft USB cable (Type A to Type B micro), (3) 1.5 V AA alkaline batteries, printed quick start guide, and a USB drive with DataView<sup>®</sup> software and user manual.

### ACCESSORIES

#### CAT. #2118.09

General Purpose Carrying Case

#### CAT. #2118.65

Soft Carrying Case

#### CAT. #2122.31

Shockproof Housing

#### CAT. #2138.66

Cable - 6 ft. USB Type A - Type B micro

#### CAT. #2153.78

Adapter - US Wall Plug to USB

#### CAT. #5000.44

MultiFix Universal Mounting System

MODEL	1246
<b>RELATIVE HUMIDITY</b>	
Measurement Range	(3.0 to 98.0) % RH
Accuracy	(10 to 90) % RH: $\pm (2 \% \text{ RH} \pm 1 \text{ ct})$ ; outside that range: $\pm (4 \% \text{ RH} \pm 1 \text{ ct})$
Resolution	0.1 % RH
Response Time (66 %)	60 s
<b>TEMPERATURE</b>	
Type of Sensor	Temperature sensor with semiconductor
Measurement Range	(-10.0 to + 60.0) $^{\circ}\text{C}$ ; (14.0 to + 140.0) $^{\circ}\text{F}$
Resolution	Display in $^{\circ}\text{C}$ : 0.1 $^{\circ}\text{C}$ ; Display in $^{\circ}\text{F}$ : 0.1 $^{\circ}\text{F}$
Accuracy ( $^{\circ}\text{C}$ )	(10 to 40) $^{\circ}\text{C}$ : $\pm (0.5 \text{ }^{\circ}\text{C} \pm 1 \text{ ct})$ Outside that range: $\pm (0.032 \times (T-25) \pm 1 \text{ ct})$ / T= temperature in $^{\circ}\text{C}$
Response Time (66 %)	30 s
<b>DEW POINT</b>	
Measurement Range	(-10.0 to + 60.0) $^{\circ}\text{C}$ td; (14.0 to + 140.0) $^{\circ}\text{F}$ td
Resolution	Display in $^{\circ}\text{C}$ : 0.1 $^{\circ}\text{C}$ ; Display in $^{\circ}\text{F}$ : 0.1 $^{\circ}\text{F}$
<b>FUNCTIONS</b>	
Recording	Manual Start / Stop. Short press for MEM: spot recording. Long press for REC: recording at the user selectable rate. Programmed recording rates from 1 min to 2 h. Start and end dates can be customized with the PC software
Alarms	Alarm thresholds settable in the software Recording can be triggered on an alarm threshold
Data storage	More than 1 million measurements.
Min-Max	Real-time display of Min and Max readings available at the press of a button
Hold	Freezes the measurement value on the display
Units	$^{\circ}\text{C}$ or $^{\circ}\text{F}$ / % RH
Automatic power-off	User selectable choice of 3 min, 5 min, 10 min, or OFF through DataView <sup>®</sup> software
<b>POWER SUPPLY</b>	
Type	(3) 1.5 V AA / LR6 alkaline batteries. Connection to line power using supplied micro-USB cable. Wall adapter sold separately.
Battery Life	1000 h (portable mode) 3 y of recording (15-minute measurement interval)
<b>GENERAL</b>	
Interfaces	2 Communication modes: Bluetooth <sup>®</sup> wireless link and USB
Mounting	Case equipped with a magnet for mounting to a metal surface and a tear drop for wall mounting. Compatible with the Multifix accessory (CAT. #5000.44)
Dimensions / Weight	(7.36 x 2.84 x 1.28) in (187 x 72 x 32) mm / 14.1 oz (400 g) with batteries
Operating Range	Temperature: (14 to 140) $^{\circ}\text{F}$ (-10 to +60) $^{\circ}\text{C}$ / Humidity: (10 to 90) % RH
DataView <sup>®</sup> software Functions	Display as a graph or table of values; Data export in graph / MS Excel table; Real-time mode; Automatic standard or custom report generation
<b>SAFETY / WARRANTY</b>	
Safety Rating	IEC 61010-1 / IEC 61326-1
Ingress Protection	IP54
Warranty	2 y

Consult factory for NIST Calibration prices.

CAT. #	DESCRIPTION
2121.73	Thermo-Hygrometer Data Logger Model 1246

