

# ENVIRONMENTAL TESTERS

## THERMO-HYGROMETER

### MODEL 1246

Measure humidity and temperature in all conditions

### SPECIFICATIONS

MODEL	1246
<b>RELATIVE HUMIDITY</b>	
Measurement Range	(3.0 to 98.0) % RH
Accuracy	(10 to 90) % RH: $\pm (2 \% RH \pm 1 \text{ ct})$ , outside that range: $\pm (4 \% RH \pm 1 \text{ ct})$
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) °C; (14.0 to + 140.0) °F
Resolution	Display in °C: 0.1 °C; Display in °F: 0.1 °F
Accuracy (°C)	(10 to 40) °C: $\pm (0.5 \text{ °C} \pm 1 \text{ ct})$ Outside that range: $\pm (0.032 \times (T-25) \pm 1 \text{ ct}) / T = \text{temperature in } ^\circ\text{C}$
Response Time (66 %)	30 s
<b>DEW POINT</b>	
Measurement Range	(-10.0 to + 60.0) °Ctd; (14.0 to + 140.0) °Ftd
Resolution	Display in °C: 0.1 °C; Display in °F: 0.1 °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 date and end date 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	°C or °F / % RH
Automatic power-off	User selectable choice of 3 min, 5 min, 10 min, or OFF through DataView® 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	1,000 h (portable mode) 3 y of recording (15-minute measurement interval)
<b>GENERAL</b>	
Interfaces	2 Communication modes: Bluetooth 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) °F (-10 to +60) °C / Humidity: (10 to 90) % RH
DataView® 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	IEC61010-1 / IEC 61326-1
Ingress Protection	IP54
Warranty	2 y

Consult factory for NIST Calibration prices



DataView®



### FEATURES

- Measures temperature, humidity and dew point
- Dual line display toggles between any two of the measurements
- User selectable temperature units (°F or °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 communication
- Magnetic mount
- Battery or USB powered
- DataView® graphing and analysis software

### PRODUCT INCLUDES

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

### ACCESSORIES

- |  |   |
|--|---|
| <b>Catalog #2118.09</b><br>General Purpose Carrying Case | <b>Catalog #2138.66</b><br>6 ft USB cable                     |
| <b>Catalog #2118.65</b><br>Soft Carrying Case            | <b>Catalog #2153.78</b><br>Adapter - US Wall Plug to USB      |
| <b>Catalog #2122.31</b><br>Shockproof Housing            | <b>Catalog #5000.44</b><br>MultiFix Universal Mounting System |

CATALOG NO.	DESCRIPTION
-------------	-------------

2121.73 Thermo-Hygrometer Data Logger Model 1246



Vol. 23 Rev.00 02/2023

Technical Assistance (800) 343-1391

www.aemc.com

59

1.800.561.8187

www.itm.com

information@itm.com