

ENVIRONMENTAL TESTERS

THERMO-HYGROMETER

MODEL 1246

Measure humidity and temperature in all conditions

SPECIFICATIONS

MODEL	1246
RELATIVE HUMIDITY	
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
TEMPERATURE	
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: $\pm (0.5 ^\circ\text{C} \pm 1 \text{ ct})$ Outside that range: $\pm (0.032 \times (T-25) \pm 1 \text{ ct})$ / T= temperature in °C
Response Time (66 %)	30 s
DEW POINT	
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
FUNCTIONS	
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
POWER SUPPLY	
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)
GENERAL	
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
SAFETY/WARRANTY	
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

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

CATALOG NO.	DESCRIPTION
2121.73	Thermo-Hygrometer Data Logger Model 1246



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59

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