

# 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: $\pm (2 \% RH \pm 1 \text{ ct})$ ,<br>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: $\pm (0.5 \text{ °C} \pm 1 \text{ ct})$<br>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<br>Long press for REC: recording at the user selectable rate<br>Programmed recording rates from 1 min to 2 h<br>Start date and end date can be customized with the PC software |
| Alarms                       | Alarm thresholds settable in the software<br>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<br>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,<br>or OFF through DataView® software                                                                                                                                                 |
| <b>POWER SUPPLY</b>          |                                                                                                                                                                                                                                      |
| Type                         | (3) 1.5 V AA / LR6 alkaline batteries. Connection to line power<br>using supplied micro-USB cable. Wall adapter sold separately                                                                                                      |
| Battery Life                 | 1,000 h (portable mode)<br>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<br>metal surface and a tear drop for wall mounting.<br>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;<br>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

