Real-Time Temperature and Humidity Monitor

OM-EL-USB-RT

£50

1 YEAR WARRANTY CE

✔ **Displays Real-Time Temperature and Humidity Readings on Your PC Using the Windows Control Software**

✔ **Plugs Directly Into USB Port—No USB Cable Required**

✔ **User-Programmable Alarm Thresholds for Temperature and Relative Humidity**

✔ **Email, Text or Audible Alarm Notification**

✔ **Dew Point Indication via Windows Control Software**

The OM-EL-USB-RT is a real time temperature and humidity monitor that displays real time temperature and humidity data on your computer via the Windows® control software (it is not a data logger and does not have any internal memory).

The software displays the temperature, relative humidity and dew point in real-time and saves it to a file which can store up to 7 day's worth of data. This data file is overwritten at the beginning of each new logging session. The software provides the option for the user to save the data permanently to the computer's hard drive. Temperature, relative humidity and dew point data can be graphed, printed and exported to other applications such as Excel.

The OM-EL-USB-RT Windows control software provides an environment whereby the user can view the current temperature and relative humidity and graph either the current data file or previously saved files. Users can set up high and low alarms for temperature and humidity within the software which can send emails, text alerts or audile alarms via the PC's internal speaker. The software can also show the current temperature and humidity in the notification area within the Window's tool-bar. Right clicking on the OM-EL-USB-RT icon in the notification area enables the user to access the full functionality of the software.
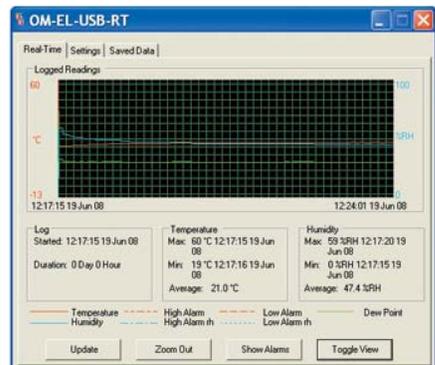
OM-EL-USB-RT, £50, shown larger actual size.

Specifications

TEMPERATURE
Measurement Range:
-20 to 70°C (-4 to 158°F)
Repeatability: ±0.3°C (±0.6°F)
Accuracy: ±1.5°C (±3.0°F) overall error; requires 15 minutes temperature stabilization in environment
Temperature Units:
°C or °F selectable in software
Response Time: 20 seconds typical, 30 seconds max

HUMIDITY
Measurement Range:
0 to 100% RH
Repeatability: Non-condensing ±0.5% RH (short term)
Accuracy: ±4.5% RH (overall error, 20 to 80% RH)
Response Time: 5 seconds
Long Term Stability: 1% RH/year

DEW POINT
Accuracy: ±2.5°C (±5°F)—overall error @ 25°C, 40 to 100% RH

GENERAL
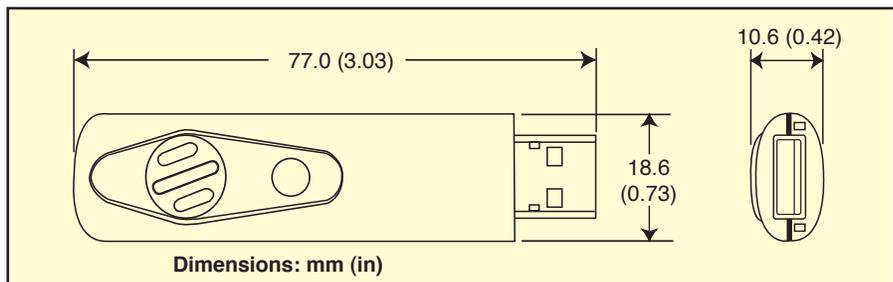**High/Low Alarms:** Selectable in software for temperature and humidity

Software: Windows® 2000/XP/VISTA
Software Logging Rate: 1 second
Weight: 11 g (0.4 oz)
Dimensions: See dimensional drawing below

Windows Software shows data in graphical format

OM-EL-USB-RT shown connected to a laptop computer USB port (laptop not included).

77.0 (3.03)   10.6 (0.42)

18.6 (0.73)

Dimensions: mm (in)

AVAILABLE FOR FAST DELIVERY!

To Order *(Specify Model Number)*

Model No.	Price	Description
OM-EL-USB-RT	**£50**	Real-time temperature and humidity monitor

Comes with Windows software and operator's manual on CD ROM.
Ordering Example: OM-EL-USB-RT, *real-time temperature and humidity monitor, **£50.***

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• Temperature

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• pH and Conductivity

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• Data Acquisition

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters