User’s Guide

Instruction Sheet

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OM-EL-USB-RT

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WARNING: These products are not designed for use in, and should not be used for, human applications.
When plugged into the USB port of a PC installed with the purpose designed software under Windows 2000, XP and Vista, OM-EL-USB-RT measures temperature and relative humidity from -20 to +70°C (-4 to +158°F) and 0 to 100%RH. The display shows the temperature, humidity and dew point (the temperature at which water vapor present in the air begins to condense) 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 file permanently to the hard-drive. Temperature, relative humidity and dew point can be graphed, printed and exported to other applications.

FEATURES
- -20 to +70°C (-4 to +158°F) Measurement Range
- 0 to 100%RH Measurement Range
- Dew point indication via Windows Control Software
- USB Interface
- User-Programmable Alarm Thresholds for T & RH%

WINDOWS CONTROL SOFTWARE
Easy to install and use, the control software runs under Windows 2000, XP (Home and Professional Editions) and Vista. It provides an environment whereby the user can view the current temperature and humidity and graph either the current data file or previously saved files. Users can set up high and low alarms within the software which can send e-mails, text alerts or audible alarms via the PC's internal speaker. The software can also show the current temperature and humidity in the notification area within the Windows 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.

SET-UPS
- °C, °F
- High and Low Alarms for Temperature and Humidity
- E-mail Alert / Data set settings
- Text Message Alert settings
- Mute PC's Alarm Beep
- Show Readings / Icon in Notification Bar

ORDERING INFORMATION

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<th>Typ.</th>
<th>Max.</th>
<th>Unit</th>
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<td>Temperature</td>
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<td>-20 (-4)</td>
<td>+70 (+158)</td>
<td>°C (°F)</td>
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<tr>
<td>Repeatability</td>
<td>±0.3 (±0.6)</td>
<td></td>
<td></td>
<td>°C (°F)</td>
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<tr>
<td>Accuracy (overall error)</td>
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<td></td>
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<td>%RH</td>
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<tr>
<td>Long term stability</td>
<td>1 %RH/yr</td>
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<td></td>
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<tr>
<td>Dew Point</td>
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<td>±2.5 (±5)</td>
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<td>Logging rate</td>
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<td></td>
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<tr>
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<td>-10 (-14)</td>
<td></td>
<td>+60 (+140)</td>
<td>°C (°F)</td>
</tr>
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</table>

* Range: -40 to +90°C (-40 to +194°F) for occasional use
** Stated accuracy correct following 15 minutes temperature stabilisation in environment.
DIMENSIONS  All dimensions in mm

77.0
65.0
19.6
19.6
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3. Repair instructions and/or specific problems relative to the product.

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OMEGA’s policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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