Paperless Humidity/ Temperature Chart Recorder

RH520

Simultaneous Numerical and Graphical Display of Humidity and Temperature Readings, Plus Time and Date

Measures Humidity (10 to 95% RH) and Temperature (-20 to 140°F) Plus Included LabVIEW™ Based Software (up to Windows XP)—Calculates and Graphs Dew Point, Wet Bulb, and GPP (Grains per Pound)

Large Dual Graphical LCD with Adjustable Vertical and Horizontal Settings

Internal Memory Records up to 49,000 Data Points

LCD Indicates Percentage of Memory Remaining

Replaceable Probe Does Not Require Recalibration

Detachable Probe Extends up to 1 m (3.3') for Measurements in Closed Environments

Audible and Visual Alarm with Hi/Low Setpoints

Output Socket Used with Optional External Alarm Module

Scroll the Cursor to Display Selected Data Recorded

Desk or Wall Mount

Applications

Monitor and Record Laboratory or Clean Room Temperature and Humidity History

Record Process Conditions

Generate Warning When Conditions are Outside Required Limits

Monitor Controlled Environment Areas Such as Freezers, Storage Areas and Other Critical Areas

Store Humidity and Temperature Historical Data for Report Generation

The environmental paperless monitor provides PC-based remote surveillance of environmental conditions in critical HVAC applications such as computer server rooms, clean rooms, laboratories, museums, warehouses, or any remote facility.

View and record temperature and relative humidity. Data points can be transferred to PC via RS232 serial port for further analysis.

The remote (detachable) probe senses the ambient conditions while the LCD graphs and provides numerical representation of the readings. Programmable audiovisual alarms alert the user when ambient conditions reach alarm presets. The optional alarm module permits automatic relay switching when alarm presets are reached.

The software is a full-featured program that allows you to set up all data logger functions including sampling rate, logging duration, start mode, logging mode, and high and low temperature alarm values.

Optional

Applications

Monitor and Record Laboratory or Clean Room Temperature and Humidity History

Record Process Conditions

Generate Warning When Conditions are Outside Required Limits

Monitor Controlled Environment Areas Such as Freezers, Storage Areas and Other Critical Areas

Store Humidity and Temperature Historical Data for Report Generation

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Specifications
Relative Humidity Range: 10 to 95%
Temperature Range: -20 to 140°F (-28 to 60°C)
Accuracy: ±3% RH; ±1°C (±1.8°F)
Dimensions: 129 x 195 x 22 mm (5 x 7.7 x 0.9")
Weight: 357 g (12.6 oz)

To Order

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<th>Model No.</th>
<th>Description</th>
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<tr>
<td>RH520</td>
<td>Humidity and temperature chart recorder with universal adaptor</td>
</tr>
<tr>
<td>RH520-NIST</td>
<td>Humidity and temperature chart recorder with universal adaptor with NIST certificate</td>
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<tr>
<td>RH520-220</td>
<td>Humidity and temperature chart recorder (220 Vac)</td>
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<td>RH520-220-NIST</td>
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<td>RH520-240</td>
<td>Humidity and temperature chart recorder (240 Vac)</td>
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Accessories

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<tr>
<td>RH520RP</td>
<td>Replaceable humidity/temperature probe</td>
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<tr>
<td>RH520-SL123</td>
<td>AC alarm relay module 3 m (9.8') cable</td>
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<tr>
<td>RH520-SL124</td>
<td>DC alarm relay module 3 m (9.8') cable</td>
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OMEGACARE™ extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE™ covers parts, labor and equivalent loaners.

LabVIEW-based PC software and proprietary cable for data download control.

Wall mounted for storage and easy viewing of temperature and humidity trends with date/time stamp.