Paperless Humidity/Temperature Chart Recorder

ΩΕ OMEGA®

RH520

1 YEAR WARRANTY **C E** **NIST** Optional

- ✔ **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**

RH520 shown smaller than actual size.

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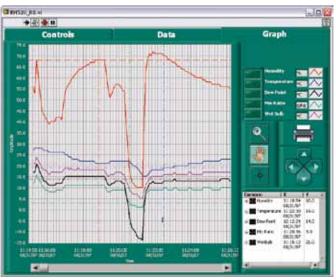
LabVIEW-based PC software and proprietary cable for data download control.

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

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)

OMEGACARE[SM] extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE[SM] covers parts, labor and equivalent loaners.

To Order

Model No.	Description
RH520	Humidity and temperature chart recorder with universal adaptor
RH520-NIST	Humidity and temperature chart recorder with universal adaptor with NIST certificate
RH520-220	Humidity and temperature chart recorder (220 Vac)
RH520-220-NIST	Humidity and temperature chart recorder (220 Vac) with NIST certificate
RH520-240	Humidity and temperature chart recorder (240 Vac)
RH520-240-NIST	Humidity and temperature chart recorder (240 Vac) with NIST certificate

Accessories

Model No.	Description
RH520RP	Replaceable humidity/temperature probe
RH520-SL123	AC alarm relay module 3 m (9.8') cable
RH520-SL124	DC alarm relay module 3 m (9.8') cable

Comes complete with operator's manual, built-in stand, detachable probe with 1 m (3.3') cable, RS232 cable, RS232 to USB adaptor, LabVIEW—based PC software (up to Windows XP), 100 to 240 Vac, 50/60 Hz adaptor, and 3 "AA" batteries.

Ordering Example: RH520-NIST, *humidity and temperature chart recorder with universal adaptor with NIST Certificate.*