



RHT Datalogger Environmental Recorders are portable data loggers that monitor and record temperature and humidity for valuable objects during transportation and storage or on display. Collected data can be easily analysed in graphical or tabular form.

Reporting tools deliver key environmental parameters for complete documentation of the environment within a museum or en route to a loan site.

RHT Datalogger-H: This device monitors and records temperature and humidity through dual channels. It is supplied as standard with a Certificate of Conformity, as it is not capable of being calibrated by the user. For calibration the unit must be returned to Hanwell.

RHT Datalogger-H Plus: As above with the added functionality of being user calibratable, for industries where traceable calibration is essential. The software has been modified to allow the input of corrected calibration data and, therefore, the production of a third party calibration certificate. Alternatively, the units can be returned to the factory or a third party for an annual calibration.

All versions have user replaceable batteries and have high speed USB communications.

Benefits:

- ° Provides ongoing record of unacceptable exposure, including precise time & date
- ° Protects the value and heritage of items
- ° Encourages adherence to storage and handling parameters
- ° Ensures chain of accountability in storage display and transportation
- ° Pinpoints trouble spots in storage display and transportation

RHT Datalogger

Product Code 43791-h RHT Datalogger-H
Product Code 43791plus-h RHT Datalogger-HPlus

Typical Applications

- ° Object shipments
- ° Monitoring in museums
- ° Monitoring in stores
- ° Travelling Exhibitions

Instrument - RHT Datalogger-H

Operating Range: -34°C to 66°C, 0-100% RH

Accuracy: ±0.2°C

Temperature Resolution: 0.1°C

Humidity Resolution: 0.1%

Intervals: 10 seconds to 24 hours

Memory: 100,000 samples

Battery: 2AAA Alkaline, 5 years at 15 min intervals

Sensors: Band gap (temperature)

Capacitive polymer (humidity)

Enclosure: 114.3 x 71.12 x 22.86 mm

Weight: 100g without battery

Alarms: High/low limits exceeded

Pass/fail alarm indicator

Software

The RHT Datalogger software is an easy-to-use, Windows® based application. The intuitive set-up process allows for quick deployment of the logger. Powerful tools report key environmental parameters such as minimum, maximum and average temperature and humidity; and number and percentage of measurements in and out of range. Data can be displayed, analysed, and printed in graphical, tabular, or text formats and then exported to Microsoft® Excel for further analysis. These extensive capabilities enable complete visibility of the environmental conditions that affect product quality.