



RHT Datalogger Environmental Recorders are portable data loggers that monitor and record temperature and humidity for products during transportation and storage. Collected data can be easily analysed in graphical or tabular form. Reporting tools deliver key environmental parameters for complete documentation of the shipping and handling environment.

T Datalogger: This device monitors and records temperature through a single channel. It is supplied 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.

T Datalogger 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.

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:

- ° Reduces product damage and loss during shipping, handling, and storage
- ° Provides ongoing record of unacceptable exposure, including precise time & date
- ° Protects the quality and integrity of products
- ° Encourages adherence to product storage and handling temperature requirements
- ° Ensures health and safety compliance
- ° Ensures chain of accountability in storage and transportation
- ° Identifies potential product quality problems before delivery to end-user
- ° Protects against/reduces warranty claims
- ° Pinpoints trouble spots in storage and transportation
- ° Enables control of energy costs

RHT Datalogger

Product Code	43792-h
Product Code	43792PLUS-h
Product Code	43791-h
Product Code	443791PLUS-h

Typical Applications

- ° Biomedical and pharmaceutical products
- ° Photographic chemicals and supplies
- ° Perishable food products
- ° Agricultural Plants
- ° Medical devices
- ° Ammunition
- ° Sensitive electronics
- ° Wood products
- ° Cold Storage facilities
- ° Livestock

Instrument - T Datalogger

Operating Range: -40°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

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; mean kinetic temperature (MKT); 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.