HUMBUG

The HumBug temperature and humidity data logger has been designed with size in mind, measuring in at only 105 x 65 x 19mm. This smart logger is ideal for situations where logging may be temporary such as in transit or in situations where a wired or radio system is not the best solution.

Each HumBug logger reads its on-board sensors to provide accurate and reliable information about environmental conditions. The relative humidity (RH) sensor is temperature compensated for more accurate readings at varying temperatures.

The logging interval can be set for any period between 10 seconds and 24 hours, depending on the data requirements. An unlimited delay can be set so that logging only begins when the unit is in situ. The HumBug has a very impressive 100,000 memory, which can either stop logging if it becomes full or wraparound so that the most recent data is not lost. A unit set to log every 10 minutes will take more than 12 months to fill the memory.

These probes can be calibrated by the user or at our in-house calibration laboratory. Calibration software is included with the unit. The logger is set-up and downloaded using an integrated software package, which automatically recognises the type of unit connected to the PC via the USB lead.

Additional software add-ons allow the software to be run with advanced security features if required, (additional software module required for this function).

Product Features

- Data logger format with up to 100,000 readings
- Up to 3 year battery life
- Accessible battery and USB socket
- Curved sides attach to wall bracket
- High performance internal sensors
- Complies with RoHS, EU and WEEE directives
- Carries CE Mark

Benefits

- Determine possible damage caused by unacceptable conditions when an object is out of sight
- Assists with national regulatory compliance
- Achieve discrete monitoring with the small case design
- Monitor changes in temperature and humidity to determine damage of objects in small spaces or during transit
- Determine chain of accountability for item handling
- Provides ongoing record of unacceptable exposure including precise time and date
- Protects the value of items
- Encourages adherence to storage and handling parameters

Format

Data Logger	✔
Radio Transmitter *(see RFBug Range)*	✘

CE ⌧ **RoHS**

Data Logger Functions

Memory: 256k EEPROM
Logging intervals: Programmable from 10 seconds to 24 hours.
Record Capacity: 100,000 records
PC Interface: USB communications
Battery Life: Up to 3 years
Software required: W200 – HanLog 4.5+
Accessories: 88715 – AAA Alkaline battery
Y055 – USB cable
Y125 – Wall mount bracket
This product can be calibrated to your specifications, contact us for further details.

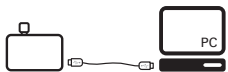N.B Instrument operating range -34°C to +66°C in a non-condensing RH environment

In Transit Monitoring

The HumBug can be used as a discreet monitoring tool for small spaces such as cabinets or within containers that are stored temporarily or transported. The data logger enables users to download data via a USB cable directly to a local PC for data analysis. A full of record historical data can be collected for regulatory purposes.

Standalone data logger

PC

Parameters

Temperature & humidity

The diagram above illustrates how the HumBug is typically used

Technical Specifications

Description	Discreet temperature and humidity data logger
Data Logger Code	43791-H
Temperature Sensors	Precision Thermistor
Range	-34°C to +66°C
Accuracy	±0.1°C between -10°C to +40°C ±0.3°C Outside these extremes
Display Resolution	0.1°C
Humidity Sensors	Capacitive Polymer
Range	0-100 RH non-condensing
Accuracy	±3% between 10-90%
Resolution	0.1% RH

Instrumentation Specification

Dimensions: 105 x 65 x19mm
Weight: 100grams (without battery)
Power Supply: 2 x AAA Alkaline battery
Case Material: ABS
Memory Capacity: 100,000 readings