



Above:
Third channel remote probe

Below:
Optional wall mounting security bracket

The ml4108 data logger is one of a new range of advanced temperature and humidity data loggers. These smart loggers are ideal for situations where logging may be temporary, for enclosing with a valuable shipment or situations where a wired or radio system is not the best solution.

The ml4108 has three sensors as standard: an internal precision temperature probe a high quality humidity probe and an additional remote surface temperature probe to check the dew point margins.

These sensors can be calibrated by the users or at Hanwell's in-house calibration laboratory. Each unit has an LCD screen simultaneously displaying the most recent readings taken and the predicted battery life. The ml4108 logger has enough memory to store up to 100,000 readings and is in fact continually logging.

The ml4108 is powered by a single 3.6 volt AA Lithium battery, which can be fitted by the user. An indicator on the LCD will warn when the battery is low, and the ml4108 maintains a record of when the battery was last changed.

The moulded case allows easy access to the battery and USB socket, as well as having slots to fit onto secure wall brackets and a plain front panel to hide the LCD if more discreet monitoring of public areas is desired. Suitable for indoor use only.

The ml4000 range has been designed to comply with the RoHS and WEEE EU directives, and carries the CE mark.



Temperature & humidity

Product Code ml4108
Series ml4000

Typical Applications

- Monitoring in:
- ° Environmental monitoring
 - ° Warehouse/Stores monitoring
 - ° Building monitoring & control
 - ° Exhibition monitoring
 - ° Environmental mapping

Instrument

Dimensions: 110 x 80 x 35 mm
Weight: 200 grams
Power Supply: 3.6 Volt AA Lithium battery
Battery Life: Up to 3 years
Case Materials: ABS & PC
Operating Humidity Range: 0...100% non-condensing
Operating Temperature Range: -10 to +50°C
Memory Capacity: 100000 readings

Sensors

Temperature

Internal Sensor: Precision thermistor
Range: -15° to +65° C
Accuracy: +/- 0.2° C between -15° C to +60° C
Resolution: 0.1° C
External Sensor: Precision thermistor
Range: -40° to +60° C
Accuracy: +/- 0.2° C between -40° C to +60° C
Resolution: 0.1° C

Humidity

Sensor: Capacitive polymer
Range: 0 to 100% non-condensing
Accuracy: +/- 3% RH
Resolution: 0.1%RH

Accessories

Code:
Y119 Wall mounting security bracket
Y055 Set up communications cable
G129 Replacement 3.6V Lithium AA battery
CAL-IA 3 point calibration certificate