



The ml4109 is part of the 4000 range of advanced temperature and humidity radio transmitters. It allows wire-free monitoring in an outside area, with real time alarm notification and historical analysis of data. Each ml4109 unit reads its on-board sensors providing accurate and reliable information about environmental conditions. This data is transmitted, at user-defined intervals, to the Radiolog system where it is filed for analysis.

The ml4109 has a precision temperature sensor and a high quality humidity sensor. Each 4000 radio transmitter has enough internal memory to store up to 100000 readings and is in fact continually logging.

Transmitter ID number and transmission rate are set in the ml4109 using a simple software program (free to download) and a USB cable.

The ml4109 is powered by a single 3.6V AA Lithium battery, which can be fitted by the user. The battery life will be dependent on the transmission rate set. The ml4109 maintains a record of when the battery was last changed.

Benefits:

- ° Continuous analysis of temperature and humidity
- ° Reads up to a temperature of +50°C
- ° ML4109 wireless range can reach up to 3km on open ground
- ° Facilitates clear temperature and humidity breakdowns
- ° Memory capacity can hold 100,000 readings
- ° The molded case allows easy access to the battery and USB socket.

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

Temperature & humidity

Product Code ML4109-xxx.xxx*
Series ml4000

Typical Applications

° Outdoor temperature and humidity monitoring

Instrument

Dimensions: 150 x 88 x 50 mm
Weight: 485 grams
Power Supply: 3.6 Volt AA Lithium battery
Battery Life: Up to 18 months
Case Materials: ABS & PC
Operating Humidity Range: 0...100% non-condensing
Operating Temp Range: -20 to +50° C
Memory Capacity: 100000 readings

Sensors

Temperature

Sensor: Precision thermistor
Range: -20 to +50° C
Accuracy: +/- 0.2° C
Resolution: 0.1° C

Humidity

Sensor: Capacitive polymer
Range: 0-100% RH non-condensing
Accuracy: +/- 2%
Resolution: 0.1%RH

Radio

*Radio Frequency: 457.600 (US only)
434.075MHz
433.920MHz (fixed)
433.875 - 434.650MHz
in 25KHz increments
(synthesised)
Radio Power: 10 mW
Radio Range: 3 km over open ground

Accessories

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