



Model:

ml-4000

Conservation Applications



Product Name: ml-4100 range
RH/T Radio Transmitter



Product Code:
ml4106-xx¹



The ml-4106 radio transmitter is one of a new range of advanced temperature and humidity radio transmitters. They allow wire-free monitoring of a site, with real time alarm notification and historical analysis of data. Each ml-4106 unit reads its on-board sensors to provide accurate and reliable information about environmental conditions. This data is transmitted, at user-defined intervals, to the Radiolog for Museums system where it is filed for analysis.

The ml-4106 has two sensors as standard: a precision temperature probe and a high quality humidity probe. These sensors can be mounted internally to the transmitter body, externally on the case or remotely on a probe. An additional surface temperature probe can be added to check the dewpoint margins. These sensors can be calibrated by the users or at Hanwell's in-house calibration laboratory.

The ID number and transmission rate are set in the ml-4106 using a simple software program (free to download) and a USB cable. Each unit has an LCD screen simultaneously displaying the most recent readings taken and the predicted battery life.

The ml-4106 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. An indicator on the LCD will warn when the battery is low, and the ml-4106 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.

The ml-4000 range has been designed to comply with the RoHS and WEEE EU directives, and carries the CE mark.

Typical Applications

- Environmental monitoring
- Warehouse/Stores monitoring
- Building monitoring & control
- Exhibition monitoring
- Environmental mapping

Instrument			
Dimensions	110 x 80 x 35mm		
Weight	200g		
Power Supply Options	3.6V AA Lithium battery		
Case Material(s)	ABS and PC		
Operating Humidity Range	10...90% RH, non-condensing		
Operating Temp Range	-15...+50C		
Sensors			
	Temperature	Humidity	
Type	Precision Thermistor (30k9)	Capacitive polymer	
Range	-40°C to +40°C	0 to 100%RH	
Accuracy	+/- 0.2°C	+/- 2%RH	
Resolution	0.1°C	0.1%RH	
Communications & Software		Radio Spec 'xx indicates the radio frequency. E.G ML4106-434.092	
PC/Logger Interface	USB A /USB mini-B	Radio Frequency	434.075MHz 433.920MHz 433.875 - 434.650MHz in 25KHz increments
Software	32bit Windows	Radio Power	10mW
Minimum O/S	Windows 2000, Windows XP, Windows NT	Radio Range	2 miles over open ground
Accessories			
Codes	Description		
Y055	USB Communications Lead		
G129	Replacement Lithium AA battery		
Y119	Security bracket		



- DATALOGGERS
- CONTROL PRODUCTS
- TEMPERATURE
- RADIOLOGGERS
- HUMIDIFIERS/DEHUMIDIFIERS
- RADIO TELEMETRY

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