



Radio loggers

B A S E S T A T I O N

Typical Applications

- Museum monitoring
- Building control
- Humidity and temperature
- Controlling wet heating systems
- Controlling electric heating
- Operating air handling plant

Options & Accessories

- Remote receiver
- High gain receiver
- Printer interface
- BMS interface
- Control interface
- Network software
- Remote site controller

The responsibility for the conservation and preservation of private and national heritage collections and artifacts or indeed the very fabric of historic buildings is a monumental task.

Whether in storage or on display, unsuitable levels of temperature, humidity, light, UV and a variety of atmospheric pollutants pose a continual threat and are a major cause of degradation. The Hanwell system has been specifically designed and developed to satisfy the needs of museum, galleries, libraries, archives and historic buildings in their pursuit of conservation excellence in this area.

The system provides precise local environmental monitoring of temperature, humidity, light and UV levels through any number of individual sensors. These sensors communicate at regular short intervals with their controller, the cr-1, which logs and stores the

data pending transfer to a PC for analysis and archival storage. The cr-1 also provides an interface for wired sensors and the MS1000 control system.

All data from the sensors, whether radio telemetry or hard wired in any combination, is ultimately collected, processed and stored by the cr-1. This can be located conveniently and is designed for continuous monitoring of the entire system.

A 16 character LCD displays the system status. It also signals alarm conditions via the front panel LED'S (should any sensor measure above or below individual pre-set levels). Although the cr-1 has an extensive memory capacity it is intended that the data is transferred to a PC for detailed interpretation and permanent storage. This can be done automatically or manually at any time.

Specification

Hanwell Instruments Limited - ISO9001:2000 certified

Dimensions		Alarm indication	Red LED
Controller	204mm x 156mm x 68mm	Comms indication	Yellow LED
Weight	1000 grams	Status indication	Green LED
Case material	Powder coated extruded aluminium	Inputs	
Receiver	190mm x 75mm x 50mm	Radio sensors	Narrow band FM radio
Weight	300 grams	Wired sensors	RS485 Bus (datanet+ compatible)
Case material	Powder coated pressed steel	Outputs	
Receiver cable length	1 metre (longer on request)	Serial / printer	RS232
Power supply	12 volt universal power supply	MS1000 control	RS485
RF channels	2	Alarm	Relay via jack socket
Radio frequency	434.075 MHz (32 channels available)	Expansion port	14 pin ribbon cable connector
Display	1 x 16 line alpha-numeric	Backup supply	2 onboard rechargeable batteries
Environmental rating	IP54 internal use (IP68 available)	Memory	1 MB flash memory



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