HANWELL

ASSISTS WITH
NATIONAL
REGULATORY
COMPLIANCE
REQUIREMENTS

Hanwell

An environmental monitoring and control
professional at your finger tips

Delegate your environmental monitoring to Hanwell

Hanwell is a well established brand with a reputation for being the most reliable, durable and flexible system within the healthcare market. As well as being designed to offer customers a total solution to current environmental monitoring and control requirements, our systems have the ability to grow along with an organisation providing a uniquely future proof solution to monitoring.

The table below illustrates the full range of Hanwell monitoring formats and the product capabilities within a monitoring process, from measurement of the required parameter to generating the potential action required. The Hanwell systems have been specifically designed to cater for a wide variety of needs with varying product capabilities because we understand that although all monitoring principles are similar, all buildings, resources and budgets are different.

5 step monitoring process

Hanwells full range of format options:

	Indicator	Data Logger	Radio/GPRS	Radio/Control
1 Measure parameter	✔	✔	✔	✔
2 Display data	✔	✔	✔	✔
3 Log/Transmit Data		✔	✔	✔
4 Data Collation/Reporting			✔	✔
5 Generate Action				✔

Advantages of monitoring with Hanwell

- Wide range of product parameter options which include; temperature, humidity, energy, pressure, CO_2 and many more
- Hanwell offer a multitude of monitoring solutions from single application to multiple applications within multiple sites
- Proven radio range of 3km over open ground
- Reliable, accurate and durable hardware for long-term monitoring solutions
- Comprehensive software reporting and analysis tools
- Fully validated systems available to meet strict regulatory compliance
- Long-life and user changeable battery
- Complete closed loop environmental monitoring and control system solutions
- Future proof system with flexible hardware and software options
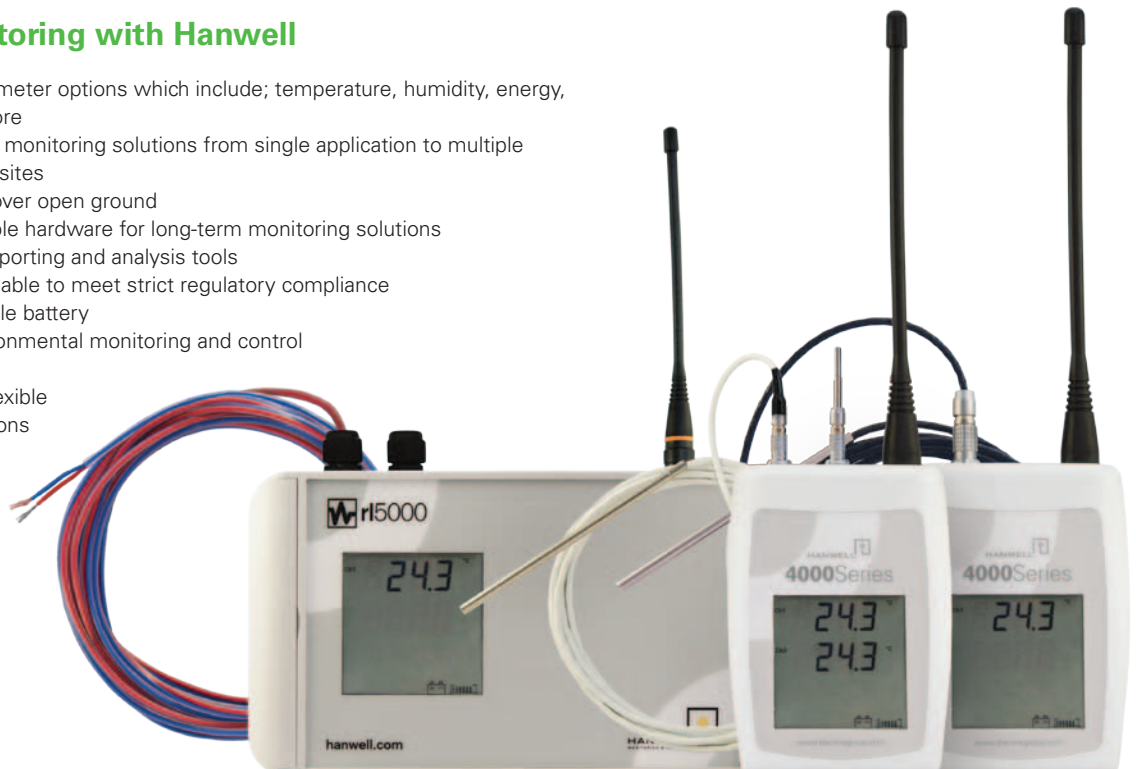
Radio-Wave your manual checks goodbye

The Hanwell radio technology provides users with a reliable and durable system that can cover a range of 3km over open ground. The system is cost-effective and easy to install due to its wireless format. The base station is capable of receiving up to 253 sensor transmissions and provides users with an optimum solution to comprehensive monitoring.

Unless the monitoring needs are isolated (where a data logger option would be the most cost-effective solution) the most logical system format is radio. Radio monitoring eliminates user manual checks and sends relevant data and alerts to a local PC or network for immediate action. Other Hanwell radio monitored sites can feed data into an organisations network for a multiple site monitoring solution.

Typical hospital applications

| Application	Product
Fridge temperature monitoring between 2°C and 8°C or temperatures within blood fridges, and freezers down to -40°C	RL4001-434.075 transmitter fitted with J095-05 thermistor probe OR
	RL4001-434.075 transmitter fitted with BLK200 air/core simulant block OR
	RL4002-434.075 transmitter fitted with 2 x J095-05 thermistor probes
The above transmitters have the option for additional door opening/closing monitoring Alarms can be generated for temperature and door events	
Temperature and humidity monitoring for fridges and temperature monitoring within labs or room space	RL4116-434.075 fitted with 1 x Y300 temperature and 1 x J140 RH and temperature probe
Measure temperature and humidity in labs or room spaces	RL4115-434.075 fitted with 1 x Y300 temperature probe and 1x J140 RH probe
Fridge, blood bank and freezer monitoring (primary use is in -80°C freezers)	RL4401-434.975 fitted with J099-02 PT100 Class A probes OR
	RL4402-434.075 fitted with 2 x J099-02 PT100 Class A probe
Cryogenic storage monitoring at -150°C and -200°C	RL5002-434.075 fitted with 1 or 2 Y420-03 premium grade type T thermocouples
Measure differential pressures in operating theatres and clean rooms	RL5405-434.075

Complete closed loop environmental monitoring

The additional possibility of controlling environments within the Hanwell range sets us apart from other environmental monitoring technology on the market.

Our closed loop environmental monitoring and control solutions can be achieved in a number of ways that suit our customers' needs. The simplest of ways is to extend the radio system to incorporate a CR2 or directly interface it with a local BMS system. The MS1000 has all the features and benefits of a radio system with the added advantage of automatic environmental control for managing breached parameters. All activities are recorded and can be monitored with comprehensive reporting tools to ensure that the desired environmental criteria are being met.
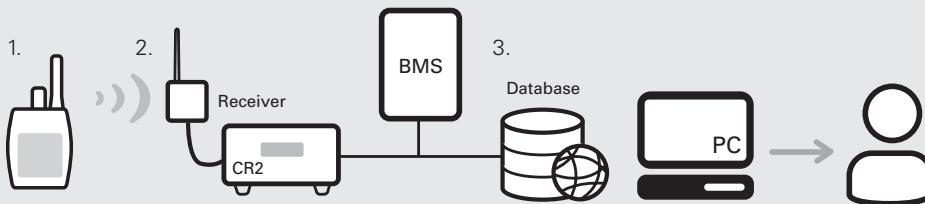
The schematic below details how a system can be used for standalone control
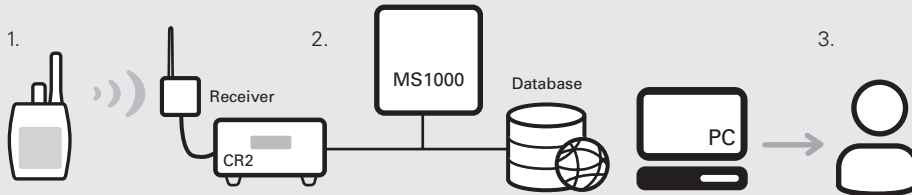
1. Transmitter records & sends data to CR2.

2. If a sensor has breached a predetermined setting the CR2 sends a command to the MS1000 to restore conditions.

3. Data is stored on a local network and can be accessed by multiple servers if necessary. Multiple users can access the site via their local PC/server.

The schematic below details how a system can be interfaced into a local BMS

1. Transmitter records & sends data to CR2.

2. If a sensor has breached a predetermined setting the CR2 sends a command to the BMS to restore conditions.

3. Data is stored on a local network and can be accessed by multiple servers if necessary. Multiple users can access the site via their local PC/server.

Software features

Synergy is the software platform that brings all the hardware together. Synergy is the hub of a system. All transmitters are configured through Synergy and all data is recorded into the Synergy database.

Synergy provides the functionality to view data using graphs, tables and plan view layouts as well as set alarms and report on alarms generated.

- Runs on a variety of Microsoft based platforms
- Can accommodate multi users with associated security and viewing permissions
- Devices can be added at will with no interruption of logging
- Users can be added as required
- Web based access
- Can support multiple geographical locations in a single organisation in a seamless manner
- Can access historical data seamlessly
- Extensive reporting tools available
- Variety of alarm features available

Optional add-on E-alarm provides email notification of alarms. Optional add-on SMS-alarm provides SMS notification of alarms.

For validated users RadioLog8 is available.

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