



RAMCARE

EXPERTS IN MONITORING SOLUTIONS
AND CALIBRATIONS SERVICES AS WELL
AS OFFICIAL DISTRIBUTORS OF
HANWELL PRODUCTS

Environmental
Monitoring Solutions

ramcare.co.uk

Hanwell Wireless Solutions

Each well established wireless system incorporates our exclusive Hanwell telemetry, providing exceptionally reliable and long-range wireless capabilities that remain superior across the market.

Our reputable wireless systems are established globally within multiple industries including, Healthcare, Pharmaceutical, Food and Industrial sectors covering a vast array of differing applications.

Every one of our customer requirements differ, therefore our approach is to listen, to ask questions and only then offer advice on the system or product that is right for their needs.

We survey your sites, we commission your environmental monitoring systems and we offer you post-sales support as and when you need it.

Accurate & reliable. Quality assured hardware that is durable and easily maintained.

Secure. Permission controls, data owned by customer.

Fully supported. Service options available for bronze, silver and gold priority.

Compliant with national regulatory requirements. GxP Guidelines, HACCP, FDA 21 CFR Part 11, EU GMP Annex 11, and ISO 2200 food standards.

Configurable to each user requirement. Unique alarm notifications, data display, sensor & multi-site grouping.

Intuitive & audit ready. Audit trails, scheduled reports, clear design for ease of use.

Validatable software. Speciality for the pharmaceutical sectors, we can provide comprehensive IQ and OQ protocols and custom protocols, where required.





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Hanwell Lite

**Plug and play wirelessly automated
temperature monitoring system for retail
refrigeration equipment monitoring, in and out
of working hours.**

Hanwell Lite is an innovative plug and play wireless temperature monitoring system for use with up to 30 sensors. Reporting to cloud-based software, data can be viewed anywhere providing ultimate peace of mind.

- Affordable solution for use in retail environments
- Easy-to-use cloud based software
- Reduction in errors resulting from manual checks
- Improve product quality and reduce product waste
- Alleviate audit stress with easy to access historical reports
- Out of hours alarms to assist with eliminating damage to stock





Premium, reliable and affordable environmental monitoring with competitive accuracy, cold-chain solutions and radio strength that overcomes most typical applications.

This established system is used throughout the food and healthcare cold-supply chain for providing cost-effective solutions to wireless environmental monitoring (typically temperature and humidity) within cold storage, warehouses and manufacturing facilities. Using Hanwell telemetry the **Hanwell IceSpy** system has a huge advantage over competitor technology including the use of innovative software for 24/7 data collection for audit trails and immediate alarm notification.

Additional parameters can easily be added to this system as customer needs change and grow; including differential pressure, CO₂, air flow and much more.



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Superior environmental monitoring and control with high accuracy sensors, LCD display and unmatched radio strength and GSM that overcomes the most complex and remote situations.

Hanwell Pro wireless solutions provide advanced capabilities through an independent system capable of data analysis and reporting, which can be used to map and verify extensive ranges of

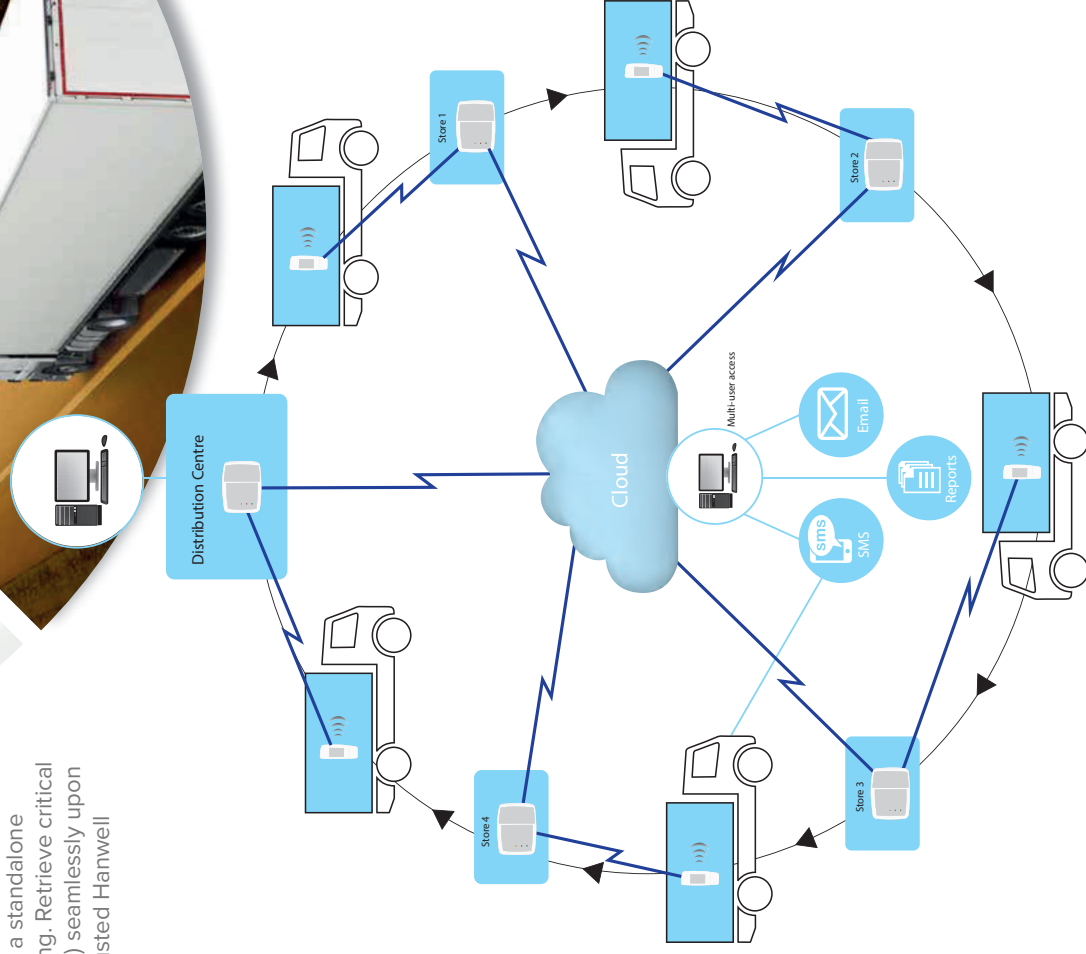
- Temperature
- Relative Humidity
- Light
- UV
- Air Flow
- Transport
- Damp
- Leak
- Wool
- CO₂
- Utilities

Additionally the **Hanwell Pro** radio systems can be used to control environments, either by integrating into an existing control system or used in isolated areas such as with humidifiers and dehumidifiers.

Transport System

Closed-loop monitoring

The transport system can be used to expand existing Hanwell systems or as a standalone solution to cold-chain monitoring. Retrieve critical temperature data (up to 4 days) seamlessly upon delivery to Hanwell EMS via trusted Hanwell wireless telemetry.



For more information, visit ramcare.co.uk



19

20

53'

Selsium Fridge

Report Date: 08/Sep/2016

Site: Pendle House

Report Period: 25/Aug/2016 09:51:46 - 08/Sep/2016 09:51:46



Engineering Ltd

Fridge: Antibiotics Fridge and Door

Serial No.: 00-00-02-03

Current Alarm states at time of Report

Channel	High Level	High Range	Low Range	Low Level	Door	Level Delay (min's)	Range Delay (min's)	Door Delay (min's)
1 Temperature	10.0	8.0	N/A	N/A	N/A	N/A	N/A	N/A
2 Door	N/A	N/A	N/A	N/A	Open	N/A	N/A	N/A

↑ Temperature Total Alarms during report period: 3

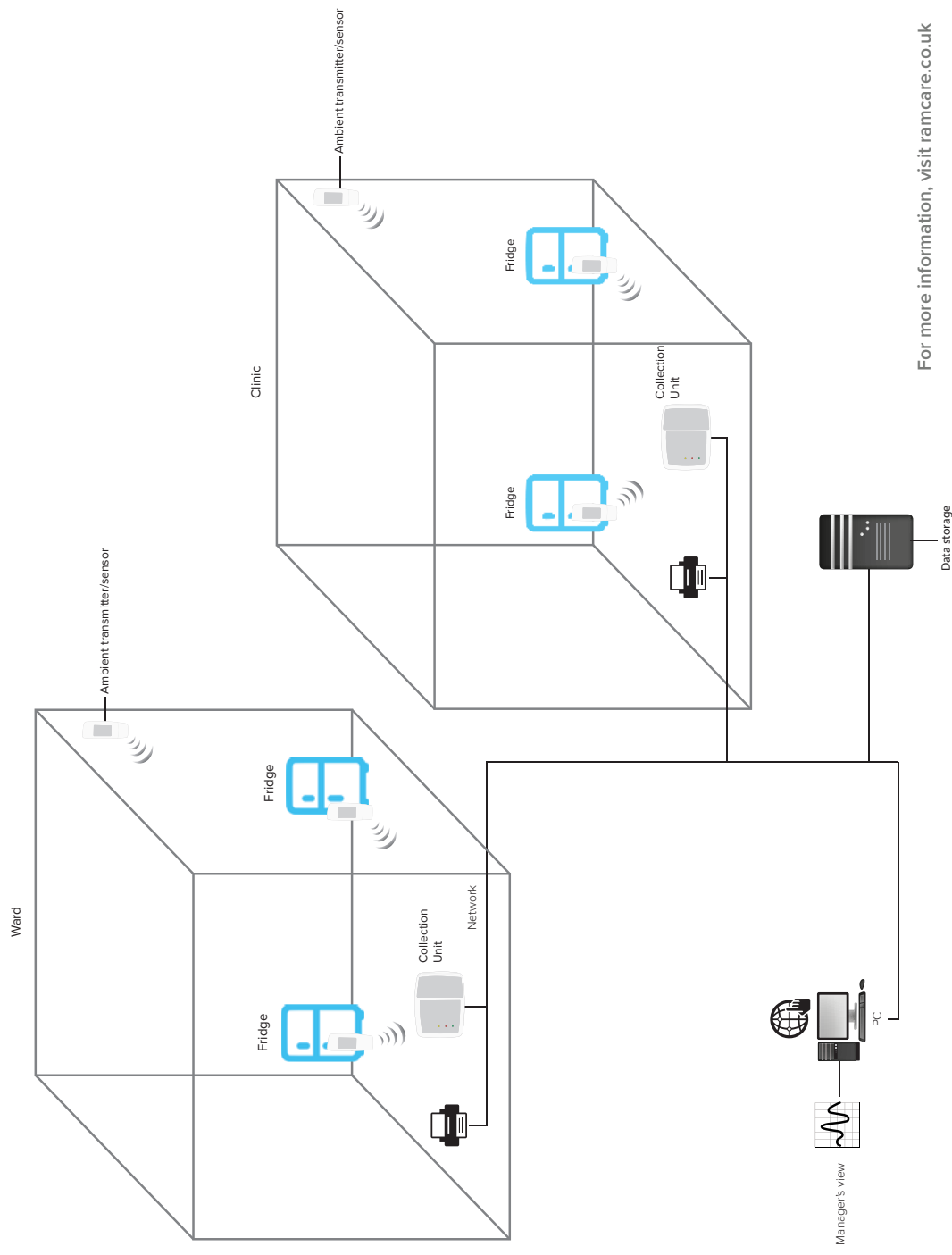
Total Alarms during report period: 1



Selsium System

Hospital clinics/wards/patient rooms

Selsium is designed to monitor the temperature of refrigerators within hospital clinics/wards/patient rooms and alert staff directly, assisting in keeping drugs and blood safe from damage and the public safe from harm.





Hanwell Pro Remote Transmitters



GSM



MS1000

CR3



Cloud

SR2



Radio



Hanwell Pro Transmitters

Hanwell IceSpy Transmitters



Radio

Network Receiver



1. ARB

2. Autodialler

3. Alarm Beacons

4. SMS Module

Standalone PC

Network

Optional Alert Units

1. ARB

Alarm / RFID / Bluetooth

2. Autodialler

Up to 9 call alerts

3. Alarm Beacons

Audio/visual alerts

4. SMS Module

Out of hours alerts via text message

Hospital Ward/Wing



Selsium Transmitters



Radio

Audio alerts

Printer - staff actions

Data Collection Unit



Transport System Transmitter



Radio

iSense Remote Sensor



GSM

Transport Base



Cloud

Cloud-based/
web access

Mobile app

Hanwell EMS

Comprehensive software, like nothing else.

Managing environmental data has never been so easy – whatever and whenever you need it – from wherever you are.

NEW

Mobile app & business intelligence reporting tools available



Email/SMS alerts



Report
Scheduling



Audit trails



Multisite/Group



RAG
Alarms



Historical data

Standalone instrumentation

Static & transport monitoring

Data loggers

Top quality, **Hanwell Pro** data loggers are available off-the-shelf or made to order depending on your monitoring requirements and provide fast and accurate data within small to medium or isolated areas. These can be used as a standalone solution, for transportation purposes, or in conjunction with a wireless system.



Handheld Thermometers

Our off-the-shelf Hanwell handheld digital thermometers are typically used within the food industry during food preparation, providing an accurate and durable solution for fast paced businesses that depend on economical, durable and reliable equipment.

The HM007 handheld thermometer is also Bluetooth compatible with our **Hanwell Pro** and **Hanwell IceSpy** systems for comprehensive data monitoring.





Control

Integrate into Hanwell wireless systems



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MS1000

For a complete closed loop environmental control system, the MS1000 system is intended to allow radio sensors to directly replace wired-in sensors in building environmental control where the 3rd party building management system can directly accept analogue or digital signals. In addition, because the MS1000 system uses radio for the communication between sensors and the control system data is recorded, monitored and reported on to ensure that environmental criteria are being met.

Humidifiers & Dehumidifiers

Hanwell's humidity control range provides comprehensive and flexible solutions for humidifying and dehumidifying to suit individual preferences. Additionally, selected humidifiers and dehumidifiers can be automatically controlled using cost-effective humidistats for standalone solutions or interfaced into a local BMS for automated control if constant and consistent conditions are critical.



Providing a premium service

Service Packages

Our Customer Service team ensures the smooth running of your chosen Hanwell system from your initial purchase and throughout its many years of use.

We offer a number of service and maintenance options to suit individual requirements and budgets; from telephone and remote support, to having an engineer on-site when you need them most.

Ask about our range of packages today.



**Remote
support service**



**Scheduled
calibration
cover**



**Telephone
support**



**Annual health
check**



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Due to the ability of Hanwell Solutions to design and manufacture in-house, our Hanwell wireless systems can accommodate virtually any type of commercially available sensor, making it the most flexible hardware available today.

If you have an unusual or specific application that needs monitoring please contact us, as we will almost certainly have a solution for you.



ISO/IEC 17025 Calibration that provides peace of mind

Ramcare provide on and off site ISO/IEC 17025 calibration for all of Hanwell's temperature and humidity sensors and transmitters. For information on our limits and uncertainties, visit ramcare.co.uk

We pride ourselves on our ability to remain flexible to each customers individual requirements, enabling units to be calibrated either in-house or on-site and have invested a huge amount of time and resource to this area of our business for added quality assurance purposes.

Located at our Southern office in Lancing, West Sussex, our calibration lab has been growing steadily since its opening in 1995. Now fully furnished with state of the art temperature, humidity and electrical calibration equipment, we aim to provide a rapid and meticulous calibration service on a vast range of measurement devices, with units being sent via courier or delivered to us directly. Once the work has been carried out, units are sent back via a tracked courier service as standard, arriving labelled and ready for use. All calibration certificates will be sent via email and can also be distributed online via a secure portal or as hard copies if required.

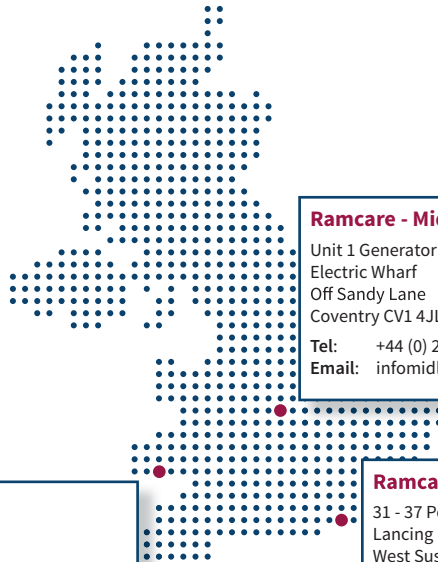
Many regulatory bodies throughout various industries require that guidelines concerning accurate measurement and equipment upkeep are adhered to by specifiers, purchasers and suppliers alike. For larger plants and for units that cannot be sent to us, having an engineer travel to site to perform any necessary work is often the best option. Operating from the mainland United Kingdom, our team of site engineers find specialty in delivering unique and tailored services worldwide in order to meet even the most stringent of requirements whilst minimising site equipment downtime.



ABOUT RAMCARE

Beginning life in 1995, Ramcare has grown from a humble one-man set up to a thirteen person ensemble spanning three sites. Since the beginning, Ramcare has put the calibration needs of its customers first and over the last three decades, our scope and abilities have grown to include a huge array of other temperature and humidity work. As well as this, we are familiar with the design of complete process control solutions which are tailored to both specific and general applications. This all comes by virtue of our experience in the industry prior to becoming Ramcare; our long standing history with industry leaders Eurotherm (also based in West Sussex) gives us an extensive knowledge of controllers, recorders and power switches and to this day Ramcare are an approved partner for Eurotherm, as well as The IMC Group and Unitemp.

Ramcare upholds a stringent and thorough internal process which surpasses the requirements of our various accreditations. Our procedures and integrated management system are assessed on a regular basis by UKAS, BSI and many of our customers. Our engineers are all well versed and highly proficient in the work that they carry out and are subject to rigorous internal and external audits to ensure this. Our dedication to our accreditations and the standards they uphold is paramount in all the work that we do; our laboratory in Ramcare South has been accredited to the same standard since 1995 and our other two offices have held accreditations for this standard for site calibration since their opening in 2016.



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