

# Temperature monitoring for healthcare



Maintaining a constant temperature is essential for certain medical items and is of critical importance for hospitals.

RFiD Discovery's automatic temperature monitoring solution can be used in any healthcare environment where maintaining a constant temperature is critical including stores for breastmilk, food, vaccines or pharmaceuticals.

It helps to ensure regulatory compliance, improve patient safety and increase operational efficiency.

The RfiD Discovery system can automatically record temperature and humidity in critical environments such as vaccine stores to ensure MHRA standards are met. Removing the need for manual checks helps save time, reduce cost and eliminate errors.

Completed temperature recordings are maintained in accordance with regulatory compliance and can be archived or made available for audit or reference purposes.



“ The number of medicines and other healthcare items that need to be stored at a consistent temperature is constantly increasing. This growth reveals that temperature monitoring... represents an important issue, both in public health and economic terms. ”

Andréa Charbe,  
Pharmacist

# Consistent and reliable temperature monitoring

Our solution uses temperature sensors that communicate with the Internet of Things (IoT) networks such as Sigfox.

The temperature sensors use radio frequency identification (RFID) technology to transmit regular readings via an existing Wi-Fi or proprietary network into a central database.

An active RFID tag with an integrated temperature sensor can be placed into each environment that needs to be monitored. The tag will then send temperature readings at user defined intervals.

## Visualisation of temperatures in one click

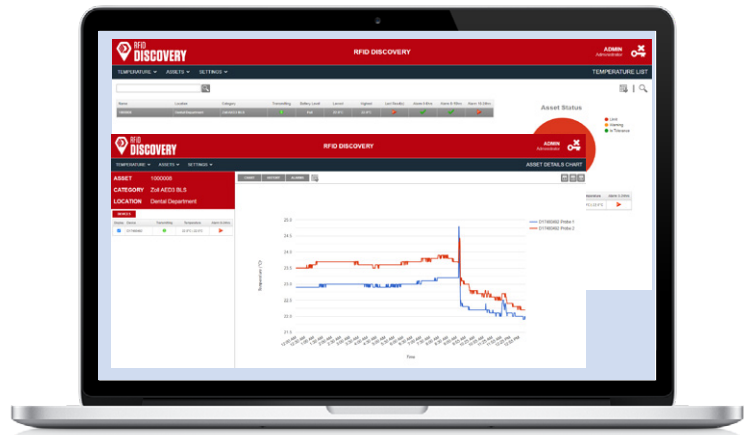
Signals from RFID tags are picked up by a network of readers and are then transferred to a central database.

For the monitoring of refrigerators and freezers, RFID tags with external probes are used where only the probe is in the fridge or freezer and the tag remains outside to ensure that signals can be transmitted successfully to the readers. Where required, humidity can also be measured.



A simple-to-use software interface allows the user to set parameters for maximum and minimum temperatures and enable instant alerts if values are outside the specified range.

Staff can be notified in a number of ways such as email, audible alarm, on screen pop-up window, pager, VOIP phone, badge alert and text alert. The software interface also provides access to data for compliance reporting, auditing or analysis.



## RFiD Discovery is part of Paragon ID, a global leader in identification solutions.

Used in a growing number of organisations across the UK and worldwide for over 14 years, RFiD Discovery offers integrated solutions to help improve efficiency, save time and cut costs. Our wide choice of tracking technologies include RFID, Bluetooth Low Energy (BLE), Wi-Fi, GPS and many others to suit your accuracy and budget requirements.

Paragon ID is the largest manufacturer of passive RFID labels in Europe and is accredited to ISO 9001, ISO 14,001, ISO 27,001 and ISO 50,001.



Industry Partner

