



**RailtempMate**  
CRT MONITOR



**Is your track smart?**  
Critical Rail Temperature Monitoring



**Network Rail Product**  
Approval Number: PA05/05507





# CRT Management using SMART technology



## Key Features

- Single action dual purpose “carry-clamp”
- Designed for the rail environment
- Compact and portable
- Rapid easy-fit locking mechanism and anti-tamper option
- Simple to install
- Built-in multi-network communications platform
- Auto non-contact off/on switch
- Interactive web-view of data on Platform Interactive
- Multiple and variable alarm limits, communicated online, by SMS or email with 24/7 technical support



RailtempMate is an innovative automated critical rail temperature monitoring system.

The RailtempMate provides Permanent Way Managers with constantly updated rail temperature data allowing them to anticipate potential failures, avoid unnecessary speed restrictions and minimise the time spent working on or near the line.

The RailtempMate is a sustainable cable-free and compact monitoring system. It has a GPS locator housed within a portable and durable enclosure.

It is fitted to the rail foot in under 60 seconds via an easy-fit locking mechanism whilst an in-built solar panel provides power to recharge a 22Ah internal battery meaning it may never need re-charging once in the field.

RailtempMate continuously records rail temperatures from -55°C to +125°C and can be remotely programmed to send limit alarms to any number of recipients by SMS, email or direct communication via Datum's 24 hour manned Control Centre in Manchester.

Data is streamed to Datum's secure website Platform Interactive (PI) and can be accessed 24/7 from anywhere in the world via smartphones, tablet or computer.

RailtempMate is fully interactive and has been designed in conjunction with Network Rail Permanent Way Engineers as a Critical Rail Temperature (CRT) management system project.

## Key Advantages

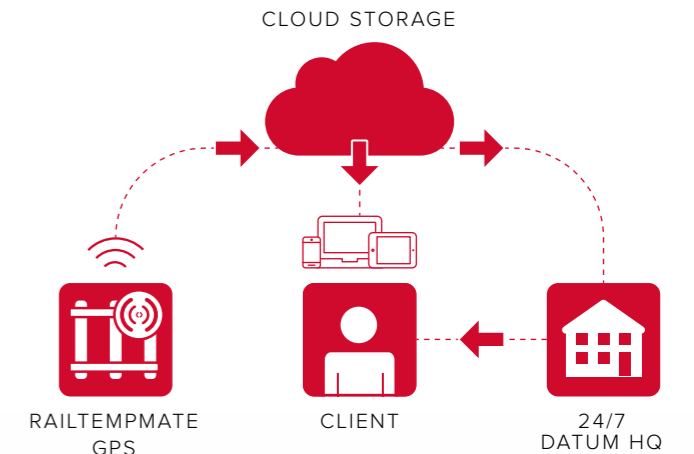
- Removes the need for manual on track measurements
- Optimises resource management
- Reliability, accuracy and repeatability
- Rapid response to changeable weather systems
- Continuously measures track temperature
- Remotely controlled and programmable
- Innovative and state-of-the-art communications platform



Platform Interactive is a secure software application developed by Datum Interactive. It complements all of Datum's services and products providing a powerful data management and presentation solution. The user interface provides concise presentation of complex data.

## Example Features

- Interactive map view of all sites or projects
- Customisable layout options to view sensors at site
- Interactive graphing engine
- Configurable alerts to be sent via email or text
- Complete control of users and user groups
- Security features from Microsoft Azure





# RailtempMate

CRT MONITOR



Any questions? Please call us **+44 (0)161 797 5511**

## CONTACT DETAILS

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