



RailtempMate
CRT MONITOR



Is your track smart?
Critical Rail Temperature Monitoring

Features and benefits

- RailtempMate is a Network Rail approved automated critical rail temperature monitoring device.
- This innovative monitoring system is remotely programmable and provides continuous recording of critical rail temperature.
- RailtempMate records track temperatures from -55°C to +125°C and streams data to the Datum developed secure website Platform Interactive.
- RailtempMate is fully interactive and can be configured to alarm on temperature limits - providing Permanent Way Managers with constant monitoring of critical rail temperatures.



Technical Specification

SAMPLE RATE	Adjustable
	Max - 1 minute
	Min - 1 day
SENSOR	1 No. solid state precision digital thermometer
MEASURING RANGE	-55° C to +125°C
RESOLUTION	± 0.1°C
ACCURACY	(from -10°C to +85°C) ±0.5°C
COMMUNICATION	
DATA	TCP / IP via built in GPRS modem c/w multi-network SIM
POSITION	GPS locator ± 10m
POWER SUPPLY	Rechargeable internal 22Ah 12v dc LiPo battery
CHARGING	Up to 24 hours for a full charge
DIMENSIONS	
BOX	311 x 165 x 110mm (LxWxH)
BASE	441 x 331 x 8mm (LxWxH)

TOTAL WEIGHT	
BOX	4.8kg
BASE	8.1kg
MATERIALS	
BOX	Acetal
BASE	304 Stainless Steel
SOLAR PANEL	5 Watt
DATA STORAGE	350 days at 1 reading every 10 minutes - 512kB
BATTERY CAPACITY	90 days without Solar Power; Indefinite with Solar Power
BATTERY LIFE SPAN	5 years
CLAMP	
STANDARD	2 x 10mm Hex. Allen
ANTI-TAMPER	Optional
WATER PROOFING	IP66
CE	CE Rated

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