

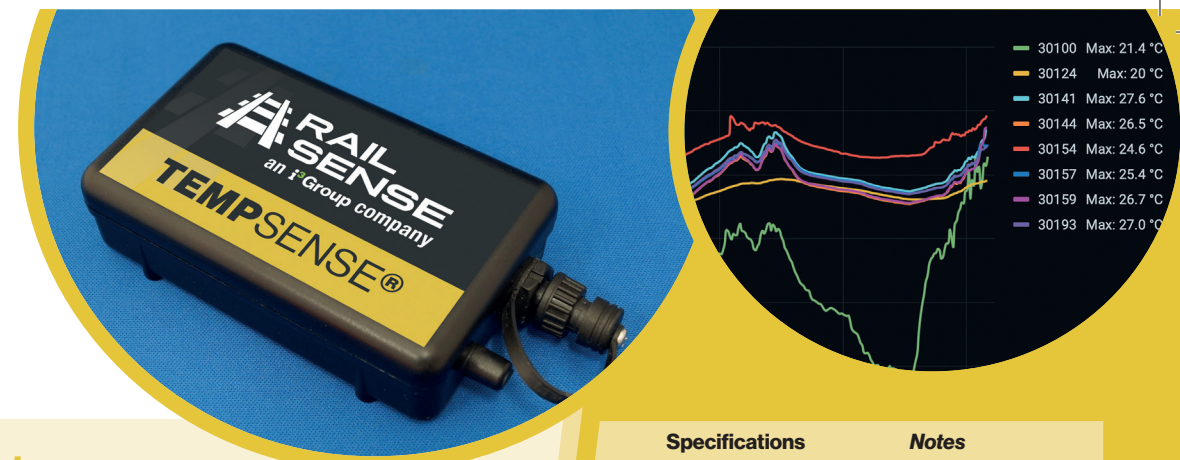


TEMPSENSE®

TempSense is a system to measure rail temperature remotely. It provides warning alerts as well as scheduled measurements for Critical Rail Temperature monitoring – all remotely without the need for track side intervention.

Key Benefits

- Small easy to install design with magnetic attachment
- Can be fitted within seconds
- High accuracy CRT measurements
- Battery powered
- No cables
- Location aware
- Configurable CRT alerts
- Realtime alerting via Web Dashboard & email
- Web dashboard available to view live & historic measurements
- Web dashboard can be accessed from mobile devices
- Reduces the need for track-side monitoring and lookouts
- Saves cost
- Increases safety



TempSense Features

- ✓ **Magnetic attachment to rail**
- ✓ **Install in seconds**
- ✓ **Optional GPS receiver providing location-based measurements**
- ✓ **Data time stamped & stored locally in the event of comms loss**
- ✓ **Secure communication of data over mobile data network**
- ✓ **Temperature measurement range from -20°C to 85°C**
- ✓ **Battery powered maintenance free operation**
- ✓ **Instant alarm event transmission**
- ✓ **Environmental sealing to minimum IP67**
- ✓ **Ambient operating temperature range -20°C to +60°C**

Technical Specification

- Measures rail temperature to an accuracy of 0.75 °C
- Measuring temperature range -20 to +80 °C
- Operating Temperature -20 to +60 °C
- Battery powered
- Cellular connectivity via 2G/NB-IoT/LTE-M
- Up to 3 years continuous operation
- Weight 0.6 kg
- Sealed to IP67

Specifications	Notes
Measuring Range Sensor type dependant	Configurable sample rate with Automatic Temperature Alert Messages
Accuracy Better than +/- 0.75°C	
Resolution 0.01°C	
Repeatability 0.02°C	
Communication 2G/4G/LTE	Best-Network Embedded SIM
Position <10m rms Multi GNSS	Optional Feature
Power Internal Lithium battery	
Battery Runtime Greater than 3 Years	Configuration dependant
Dimensions 106mm x 63mm x 31mm	
Weight 400g	
Enclosure Custom ABS	
Environmental IP67+	
Operating Temperature -20°C to +60°C	

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