The expansion and contraction of a train system's rails can create great stress on joints and within the steel material. Progress Rail's Rail Temperature Monitor provides continuous temperature monitoring, allowing adjustments to be made to loads and the speed of travel, reducing external stresses and the likelihood of the rail suffering stress breaks.

The rail temperature monitor is clamped onto the base of the rail, and makes direct contact with the rail material, accurately recording the temperature of the local steel

RAIL MONITOR SPECIFICATIONS

- Simple clamp-mount to foot of the rail
- Dual DS18B digital thermometer sensors
- 0.5% accuracy
- Records temperatures between -30 and 100° C
- Dual redundant sensor system
- Operating Temperature range: -10° to +85° C
- Sealed to IP68 standards against dust and water ingress
- No calibration required

PROCESSOR SPECIFICATIONS

- Modbus protocol (TCP, UDP, Serial)
- RS422,485 or 10/100 Ethernet connectivity
- Connects directly to switch or router
- 12-36 VDC, < 1 W draw

ARGUS SERVER SPECIFICATIONS

- Handles > 500 RSD units
- Automated high or low temperature alerts
- On-demand graphical reports via Web Browser (IE 6+, Chrome, etc)
- Other Asset Protection and Telemetry devices supported

WARRANTY INFORMATION

- Two year hardware warranty, extendable to five years
- 12-month software defect liability period
- Support services located in Perth, Western Australia, with off-the shelf replacement spares available
- Product components, or equivalent replacements, are guaranteed to be available for a minimum period of five years

Progress Rail
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