

RailScan Lite Track Geometry Measurement System (RSL-TGMS)



The RailScan Lite Track Geometry Measurement System (RSL-TGMS) from ENSCO Rail uses lightweight, compact sensor technology to provide a low cost, reliable solution for automated track geometry inspections. The non-contact sensor system easily mounts on a hi-rail vehicle and uses a laptop for the operator interface and data storage. A single, easy to use interface contains all the information and data needed during testing. RSL-TGMS offers increased efficiency in track inspection processes by providing easy to use, quantitative measurements on a regular basis.

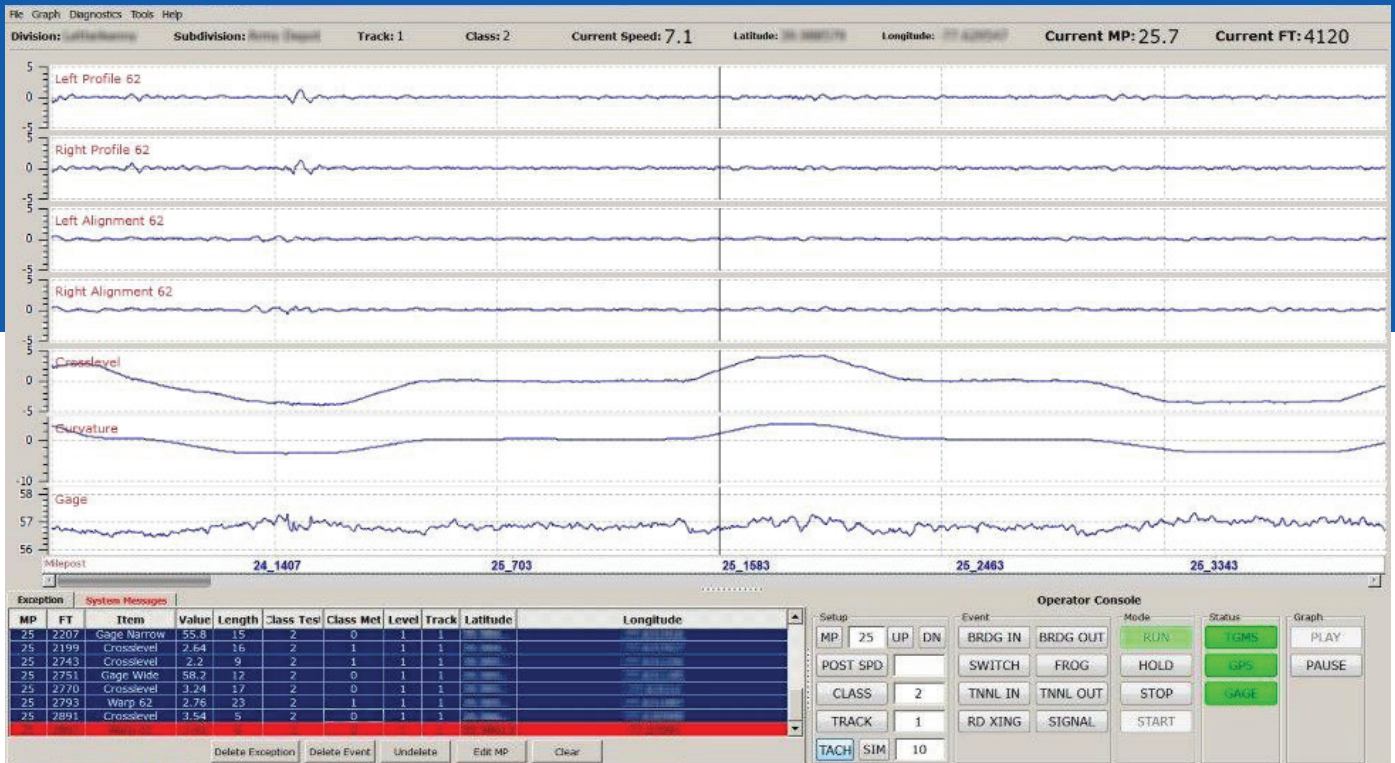
Uses Non-Contact Optical Laser Sensors

RSL-TGMS's non-contact optical laser sensors accurately record track measurements independent of the type of vehicle on which it is mounted. The system uses a laptop in the vehicle's cab for a real-time display of measured parameters and exceptions. The display has the ability to make reverse moves for exception verification.

Mounts on Any Type Vehicle

RailScan Lite can be easily installed on many types of vehicles by mounting it on either the front or rear bumper. Likewise, it can be easily removed and stowed for highway driving.

**Non-contact, light weight,
low cost sensor technology
for increased accuracy
and efficiency with track
inspection processes**



Compliance

The RailScan Lite Track Geometry Measurement System is compliant with the measurement specifications of the U.S. Department of Transportation Federal Railroad Administration and Transport Canada. It measures all the standard track geometry parameters.

- Gage
- Alignment
- Vertical profile (surface)
- Crosslevel/Superelevation
- Twist/Warp
- Curvature

Reports Exceptions

Rail Scan Lite can detect and report up to three levels of exceptions to differentiate between safe for operation or requires maintenance.

Exceptions are announced with audible alerts.

Low Maintenance, Long Life Cycle

The system's non-contact sensors contribute to the long life of the system. With no moving or mechanical parts, the system is inherently low maintenance with a long service life.

RailScan Light Track Geometry Measurement System

- Accurate and efficient track measurements
- One, easy to use interface
- Non-contact optical laser sensors mount on many types of vehicles
- Compliant with FRA and Transport Canada specifications
- Low cost, long service life



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