

RailScan Lite Hi-Rail Gage and Crosslevel System



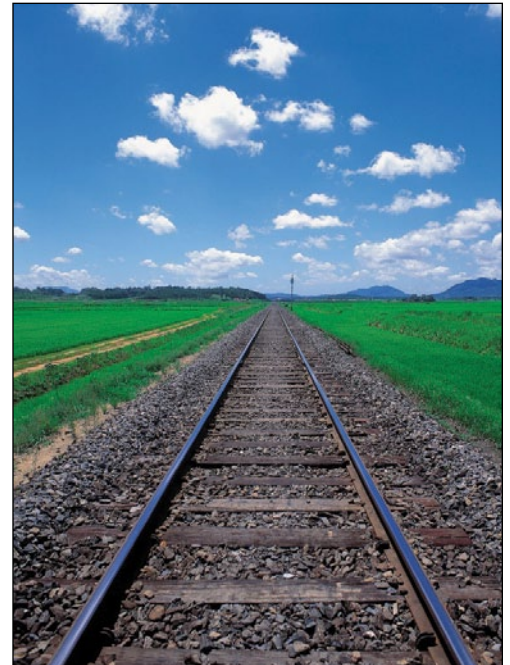
RailScan offers continuous gage and crosslevel measurement up to 35 mph.

An advanced sensor inspection solution that affordably measures gage and crosslevel to avoid potential derailments

ENSCO, Inc. parlays its more than 40 years of experience in the innovation of track inspection technology solutions into the RailScan Lite Hi-Rail Gage and Crosslevel System (RailScan). RailScan is a sensor technology advancement that provides a low cost, reliable solution for automated gage and crosslevel track inspections. The non-contact sensor system easily mounts on a hi-rail vehicle and plugs directly into a laptop. RailScan offers increased efficiency in track inspection processes by providing easy to use, quantitative measurements on a regular basis.

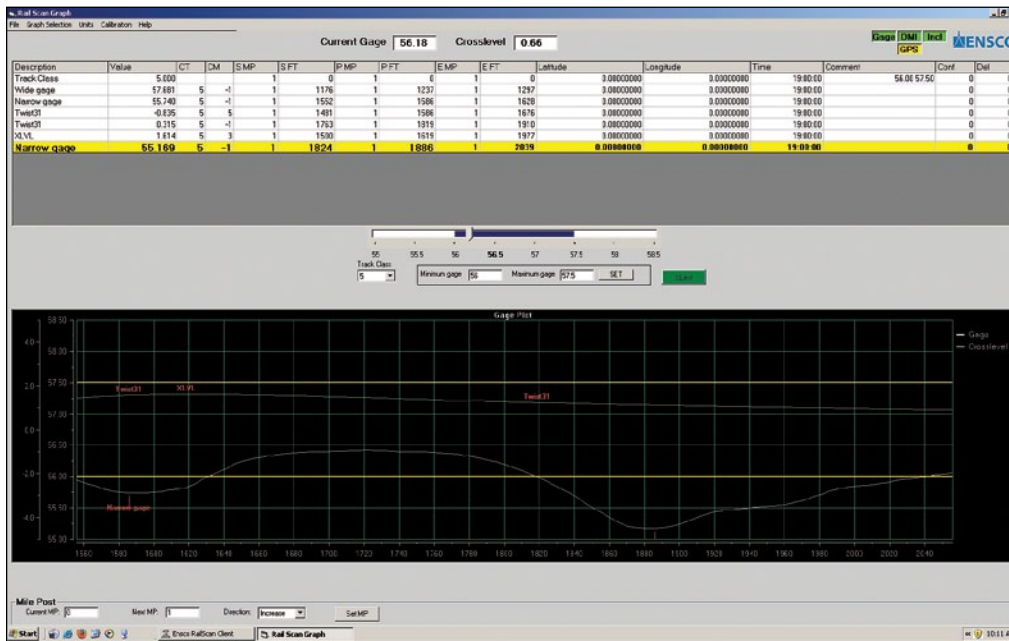
Safety assurance

RailScan allows inspectors to routinely assess two of the primary contributors to track geometry caused derailments: gage and crosslevel. The system can be used to regularly monitor gage and crosslevel condition between track geometry car tests to identify maintenance needs before they become safety critical.





Removable hi-rail bumper mount system designed for secure storage and road travel.



Onboard software provides real-time strip chart output and measurement results.

Ease of use

RailScan was designed with direct input from track inspectors. This advanced technology is easy to deploy, so there are no delays getting on and off track. The display and reporting software is user-friendly, intended for end users with any level of computer expertise. Because RailScan does not make contact with the track, there are no mechanical components to wear out, making it inherently low maintenance.

The RailScan System includes the following:

Hardware package

- Two gage sensors
- One crosslevel sensor
- JAMR RAC III for GPS and distance output
- Hi-rail mount
- Junction box
- Cables and mounting hardware
- System calibration

Software package

- Gage and crosslevel strip chart
- Numerical display of instantaneous gage and crosslevel measurements
- Adjustable gage and crosslevel thresholds
- Audible alerts for gage and cross-level threshold exceedance
- Exportable reports for gage exceptions, including milepost, GPS and exception value



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