



TRACKSCAN PROFILE

ADVANCED MEASUREMENT OF RAIL CROSS PROFILE AND TRACK GEOMETRY

The trolley stands out by including railhead cross-section measurement and railhead wear calculation. It is equipped with state-of-the-art laser measurement modules, enabling precise measurement of track geometry and rail cross profiles. The device instantly displays and saves measurement results, while the accompanying software allows for detailed analysis of measurements and rail wear, as well as report generation.

TECHNICAL DATA

SPECIFICATIONS

Measured parameters		
Railhead cross sections	Accuracy of mapping ± 0.3 mm	
Track gauge	Accuracy: ± 0.5 mm	Measurement range: $-15 \dots +50$ mm
Cant	Accuracy: ± 1.5 mm	Measurement range: ± 200 mm
Horizontal irregularities	Accuracy: ± 0.2 mm / 1 m	Measurement range: ± 5 mm
Vertical irregularities	Accuracy: ± 0.2 mm / 1 m	Measurement range: ± 2 mm
Calculated parameters		
Twist	Accuracy: ± 3 mm	
Gradient	Accuracy: ± 1 mm	
Railhead wear	Accuracy of mapping ± 0.3 mm	
Measuring increment	0.25 m	
Types of rails	Vignol or groove	
Dimensions (L x H x W)	1850 x 870 x 1300 mm	
Weight	37 kg	
Memory capacity	3000 km	
Operating time	Up to 5 h	
Resolution	0.1 mm	
Operating conditions	Temperature: $-20 \dots +45$ °C	
	Humidity: 15 ... 85 %, no condensation	

CONTENTS

- Trackscan Profile
- Batteries
- Chargers
- Transport boxes
- Dari® software, one licence

BENEFITS

- Precision Railhead Analysis: Uniquely measures railhead cross sections and railhead wear, along with the standard track measurement suite, offering in-depth rail condition insights
- Advanced Laser Technology: Achieve flawless rail profile measurements and detailed rail head wear evaluation
- Integrated GPS: Log measurement coordinates with pinpoint accuracy for seamless track mapping
- Visual Inspection: Capture and document inspection results effortlessly for in-depth track evaluation
- Dependable Data Accuracy: Maintain measurement integrity in all environmental conditions
- Clear Data Display: Guarantee data readability in all light conditions with a specialized display screen
- Uninterrupted Power: Ensure ongoing measurements with hot-swappable batteries for constant operation
- Swift Track Removal: Quickly remove the trolley from the track without disrupting the measurement session
- Versatile Gauge Solutions: Available for the standard 1435 mm gauge, with custom gauges available upon request
- Comprehensive Software Suite: Export data to various formats like MS Excel, MS Word, PDF, DXF, and CSV for extensive analysis and in-depth reporting including an additional software module for the analysis of rail profiles

