



GOLDSCHMIDT

Smart Rail Solutions



TRACKSCAN CLEARANCE

COMPREHENSIVE TRACK GEOMETRY AND CLEARANCE MEASUREMENT SOLUTION

The Trackscan Clearance is your comprehensive solution for precise clearance measurements and essential track geometry assessments. Specially designed to ensure safe train passage in tunnels, under bridges, and other confined spaces, the Trackscan Clearance trolley excels in measuring intertrack and traction clearances. Equipped with advanced technology, it provides detailed data for a well-rounded track assessment. Paired with the powerful Dari® software, it delivers in-depth analysis and comprehensive reporting of all measurements, making it an indispensable tool for railway safety and maintenance.

TECHNICAL DATA

SPECIFICATIONS

Measured parameters		
Clearance measurement	Laser distance meter with high precision	
Track gauge	Accuracy: ± 0.5 mm	Measurement range: -15 ... +50 mm
Cant	Accuracy: ± 1.5 mm	Measurement range: ± 200 mm
Horizontal irregularities	Accuracy: ± 1 mm / 1 m	Measurement range: ± 5 mm
Vertical irregularities	Accuracy: ± 1 mm / 1 m	Measurement range: ± 2 mm
Calculated parameters		
Twist	Accuracy: ± 3 mm	
Gradient	Accuracy: ± 1 mm	
Measuring increment	0.5 m	
Types of rails	Vignol or groove	
Dimensions (L x H x W)	1 850 x 1 050 x 870 mm	
Weight	28 kg	
Memory capacity	3 000 km	
Operating time	Up to 10 h	
Resolution	0.1 mm	
Operating conditions	Temperature: -20 ... +45 °C Humidity: 15 ... 85 %, no condensation	

BENEFITS

- Exclusive Clearance Measurement Capability: The only trolley equipped to measure both clearance and intertrack, ensuring compliance with safety standards, with a precision of ± 2 degrees, along with standard measurement suite
- 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
- Software Suite: Export data to various formats like MS Excel, MS Word, PDF, DXF, and CSV for extensive analysis and in-depth reporting

CONTENTS

- Trackscan Clearance
- 2 batteries
- Chargers
- Laser head
- Tripod
- Transport boxes
- Dari® software, one licence



DARi