



GOLDSCHMIDT

Smart Rail Solutions



TRACKSCAN INERTIAL

**INERTIAL SYSTEM FOR MOST ACCURATE
TRACK GEOMETRY MEASUREMENT**

The Trackscan Inertial trolley is engineered for precise track geometry measurements, perfect for acceptance testing before track commissioning. Equipped with a sophisticated inertial system, the trolley accurately measures alignment in both vertical and horizontal planes for each rail course, delivering unmatched accuracy. Instantly view measurement results on the trolley's display and save them directly to its memory for seamless data management.

TECHNICAL DATA

SPECIFICATIONS

Measured parameters		
Track gauge	Accuracy: ± 0.5 mm	Measurement range: $-15 \dots +50$ mm
Cant	Accuracy: ± 1.5 mm	Measurement range: ± 200 mm
Horizontal irregularities (Alignment)	Accuracy: ± 1 mm / 10 m	
Vertical irregularities (Longitudinal)	Accuracy: ± 1 mm / 10 m	
Calculated parameters		
Twist	Accuracy: ± 3 mm	
Gradient	Accuracy: ± 1 mm	
Measuring increment	0.25 m	
Types of rails	Vignol or groove	
Dimensions (L x H x W)	1 850 x 870 x 1 050 mm	
Weight	26 kg	
Memory capacity	3 000 km	
Operating time	Up to 10 h	
Resolution	0.1 mm	
Operating conditions	Temperature: $-20 \dots +45$ °C	
	Humidity: 15 ... 85 %, no condensation	

CONTENTS

- Trackscan Inertial
- Batteries
- Chargers
- Transport box
- Dari® software, one licence

BENEFITS

- High-Accuracy Measurements: Provides precise measurements of track gauge, cant, horizontal and vertical irregularities, twist, and gradient, ensuring detailed track assessment
- 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 1 435 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



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