



# GOLDSCHMIDT

Smart Rail Solutions



## TRACKSCAN SWITCH

### MEASUREMENT OF SWITCH AND TRACK GEOMETRY

The Trackscan Switch trolley stands out by accurately measuring left and right flangeways and check rail gauges, essential for specialized track configurations and especially for measuring switches. Users can easily define characteristic points for switches, whether using preset points for standard switches or customizing their own. Once the points are set, the trolley guides you through the switch, displaying instant measurement results on its screen and storing them in its memory. Paired with the included Dari® software, it delivers detailed analysis and comprehensive reporting of all measurements.

# TECHNICAL DATA

## SPECIFICATIONS

<b>Measured parameters</b>		
Track gauge	Accuracy: $\pm 0.5$ mm	Measurement range: -15 ... +50 mm
Cant	Accuracy: $\pm 1.5$ mm	Measurement range: $\pm 200$ mm
Horizontal irregularities	Accuracy: $\pm 1$ mm / 1 m	Measurement range: $\pm 5$ mm
Vertical irregularities	Accuracy: $\pm 1$ mm / 1 m	Measurement range: $\pm 2$ mm
Left/right flangeways (groove)	Accuracy: $\pm 0.5$ mm	Measurement range: 35 ... 110 mm
Left and right check rail gauge	Accuracy: $\pm 1.0$ mm	Measurement range: 35 ... 110 mm
<b>Calculated parameters</b>		
Twist	Accuracy: $\pm 3$ mm	
Gradient	Accuracy: $\pm 1$ mm	
<b>Measuring increment</b>		
	0.5 m in track geometry mode 31 mm in switch measurement mode	
<b>Types of rails</b>		
	Vignol or groove	
<b>Dimensions (L x H x W)</b>		
	1 850 x 870 x 1 050 mm	
<b>Weight</b>		
	26.6 kg	
<b>Memory capacity</b>		
	3 000 km	
<b>Operating time</b>		
	Up to 10 h	
<b>Resolution</b>		
	0.1 mm	
<b>Operating conditions</b>		
	Temperature: -20 ... +45 °C Humidity: 15 ... 85 %, no condensation	

## CONTENTS

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

## BENEFITS

- Precision Switch Measurement Specialist: Excels in measuring left/right flangeways (groove) and left & right check rail gauge, guiding users through defined characteristic points, making it crucial for accurate switch 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 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

