



GOLDSCHMIDT

Smart Rail Solutions



TRACKSCAN SWITCH

FULL TRACK AND SWITCH GEOMETRY

The Trackscan Switch measures the track and switch geometry as well as being able to record results of visual track inspections. The trolley is easy to use and its modular design enables it to be transported by one person as well as being operational on track in less than five minutes.

TECHNICAL DATA

SPECIFICATIONS

Dimensions (L x W x H)	1,050 x 870 x 1,850 mm / 41.3 x 34.3 x 72.8 in
Weight	26.6 kg / 58.6 lbs
Measuring increment	0.5 m / 19.7 in 0.031 m / 1.46 in – switch mode
Gauge (measured)	Accuracy: ± 0.5 mm / ± 0.02 in, Resolution: 0.1 mm / 0.004 in, Measurement range: -15 ... +50 mm / -0.59 ... +1.97 in
Cant (measured)	Accuracy: ± 1.5 mm / ± 0.06 in, Resolution: 0.1 mm / 0.004 in, Measurement range: ± 200 mm / ± 7.87 in
Twist (calculated)	Accuracy: ± 3.0 mm / ± 0.12 in, Resolution: 0.1 mm / 0.004 in, Measurement range: ± 200 mm / ± 7.87 in
Gradient (calculated)	Accuracy: ± 1.0 mm / ± 0.04 in, Resolution: 0.1 mm / 0.004 in, Measurement range: 0 ... 65 mm / 0 ... 2.56 in
Horizontal irregularities (extrapolated)	Accuracy: ± 0.2 mm / 1 m / ± 0.01 / 39.4 in, Resolution: 0.1 mm / 0.004 in, Measurement range: ± 5 mm / ± 0.20 in
Vertical irregularities (extrapolated)	Accuracy: ± 0.2 mm / 1 m / ± 0.01 / 39.4 in, Resolution: 0.1 mm / 0.004 in, Measurement range: ± 2.0 mm / ± 0.08 in
Left/right flangeways (groove) (measured)	Accuracy: ± 0.5 mm / ± 0.20 in, Resolution: 0.1 mm / 0.004 in, Measurement range: 35 ... 110 mm / 1.38 ... 4.33 in
Check rail gauge (calculated)	Accuracy: ± 1.5 mm / ± 0.06 in, Resolution: 0.1 mm / 0.004 in, Full measurement range
Left and right check rail gauge (calculated)	Accuracy: ± 1.0 mm / ± 0.04 in, Resolution: 0.1 mm / 0.004 in, Full measurement range

SCOPE OF DELIVERY

- Trackscan Switch, incl. 2 batteries
- 2 add. batteries
- Charger for the batteries
- Transport box
- Charger for the control unit
- PC software GeoTEC, 1 licence

BENEFITS

- Reliable measurement data acquisition and transfer
- Built-in memory, tamper-proof measurement files
- Flexible, custom-made software, export of measured track geometry data to documents in Excel, Word, PDF, DXF, and CSV formats
- Single-man operation and fast removal from the track
- The hot-swappable batteries allow unlimited operating time
- Measurement of the switches according to the pre-defined specifications

