



GOLDSCHMIDT

Smart Rail Solutions



TRACKSCAN INERTIAL

ACCURATE TRACK ALIGNMENT

MEASURING TROLLEY

Goldschmidt's Trackscan Inertial does not only measure track geometry but also records the results of visual track inspections. Our innovative inertial system, consisting of cutting-edge semiconductor gyroscopes and accelerometers, measures irregularities on two levels (horizontal and vertical versines) in relation to both rails.

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	26.0 kg / 57.3 lbs
Measuring increment	0.25 m; 0.5 m / 9.8; 19.7 in
Gauge (measured)	Accuracy: ± 0.5 mm / ± 0.02 in, Resolution: 0.1 mm / 0.004 in, Measurement range: -15 ... +50 mm / -0.60 ... +1.97 in
Cant (measured)	Accuracy: ± 1.5 mm / ± 0.06 in, Resolution: 0.1 mm / 0.004 in, Measurement range: ± 200 mm / ± 7.9 in
Twist (calculated)	Accuracy: ± 3.0 mm / ± 0.12 in, Resolution: 0.1 mm / 0.004 in, Measurement range ± 200 mm / ± 7.9 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: ± 1 mm / 10 m, ± 0.04 in / 393.70 in
Vertical irregularities (extrapolated)	Accuracy: ± 1 mm / 10 m, ± 0.04 in / 393.70 in

BENEFITS

- Trolley records the measurement route using the on-board GPS receiver
- Display legible even in direct sunlight, as well as in the tunnel; visual signalling of exceedings
- Transferring of the measurement data to the PC via a USB pen drive
- Software for printing measurement reports, archiving and comparing measurement results

SCOPE OF DELIVERY

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

