GOLDSCHMIDT
Smart Rail Solutions

TRACKSCAN PROFILE

LASER TECHNOLOGY FOR CONTINUOUS
MEASUREMENT OF TRACK GEOMETRY

Goldschmidt´s Trackscan Profile is a trolley equiped with advanced laser measurement moduls. This allows for the measurement of track geometry as well as the rail cross profile. The results are directly displayed on the operators monitor and automatically saved to memory. The supplied Dari® software allows for analyzing the measurement results from any computer and can generate different reports.

TECHNICAL DATA

SPECIFICATIONS

Railhead cross sections	Accuracy of mapping ±0.3 mm
Track gauge	Accuracy: ±0.5 mm Measurement range: -15 ... +50 mm
Cant	Accuracy: ±1.5 mm Measurement range: ±200 mm
Horizontal irregularities	Accuracy: ±0.2 mm / 1 m Measurement range: ±5 mm
Vertical irregularities	Accuracy: ±0.2 mm / 1 m Measurement range: ±2 mm

Calculated parameters
   Twist
   Gradient
   Railhead wear
	
	Accuracy: ±3 mm
	Accuracy: ±1 mm
	Accuracy of mapping: ±0.3 mm

Railhead wear	Accuracy of mapping ±0.3 mm
Measuring increment	0.25 m
Types of rails	Vignol or groove
Dimensions (L x H x W) for 1 435 mm track	1 300 x 870 x 1 850 mm
Weight (standard version for 1 435 mm track)	37 kg
Memory capacity	3 000 km
Operating time	Up to 5 h
Resolution	0.1 mm
Operating conditions	Temperature: -20 ... +45 °C Humidity: 15 ... 85 %, no condensation
Nominal track gauge	1 435 mm, other on request

CONTENTS

- Trackscan Profile trolley with the control panel
- Two sets of batteries + charger
- Charger for the control panel
- Boxes for storing and transporting laser heads
- Transport boxes
- Dari® software for data analysis, one licence

BENEFITS

- Geolocation of point measurement using GPS
- Quick removal from the track without interrupting the measurement session possible
- Results of visual track inspection can be recorded while measuring
- Hot-swappable batteries – charged batteries at hand enable unlimited operating time
- Measurement results independent of environmental conditions
- The included Dari® software for data analysis allows for additional export of measured data to MS Excel and MS Word, as well as PDF, DXF, CSV formats

GOLDSCHMIDT
Smart Rail Solutions

www.goldschmidt.com