



GOLDSCHMIDT

Smart Rail Solutions



RAILPROFILE 2D

LASER PROFILE MEASUREMENT OF ANY TYPE OF RAIL AND SWITCHES

The Railprofile 2D is a lightweight, reliable, and easy-to-use solution for measuring and storing the complete 2D profiles of railheads and switches. Operated via an Android™ phone application, Railprofile 2D provides instant measurement results that can be further analyzed and used to calculate wear according to user-selected standards.

TECHNICAL DATA

SPECIFICATIONS

Cross-section [measured]	Accuracy:
Rail head (grinding area)	±0.05 mm
Rail head (wear)	±0.2 mm
Turnout elements	±0.1 mm
Profile meas. technology	Non-contact optical measurement method
Dimensions (L x H x W)	1700 x 264 x 228 mm
Weight	9.6 kg
Operating time	Up to 8 h
Operating conditions	Temperature: -10 ... +50 °C Humidity: 15 ... 85 %, no condensation

CONTENTS

- Railprofile 2D
- Two batteries + charger
- Transport box
- Dari® software, one license
- Free Railprofile 2D App in the Google Play Store (Android™ mobile phone not included)

BENEFITS

- Compliance: Meets the EN 13231-2 standard, ensuring reliable and standardized performance
- Instant Results: Measurement results displayed immediately after measurement
- Multifunctional Measurement: Offers fast and accurate measurements for any type of rail
- User-Friendly: Designed for easy operation during measurements
- Dependable Data Accuracy: Maintain measurement integrity in all environmental conditions
- Uninterrupted Power: Ensure ongoing measurements with hot-swappable batteries for constant operation
- Versatile Gauge Solutions: Available for 1000 mm, 1435 mm, 1520 mm and 1668 mm track gauge, with custom gauges available upon request
- Comprehensive Software Suite: Export data to various formats like DXF, RFX and CSV for extensive analysis and in-depth reporting including an additional software module for the analysis of rail profiles



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