

# RAILPROF SPECIFICATIONS

Modified January 2017

1. Weight: less than 7 kg;
2. Length: 116 cm;
3. Microsoft Windows Phone, with Windows 10:
  - Wireless communication with RAILPROF via Bluetooth to control measurements and data transfer;
  - Data analysis, such as filtering and computing of QI;
4. Measuring length: 1,000 mm in accordance with the EN standards for weld geometry; sampling interval 5 mm;
5. Measuring time: about 10 sec;
6. Time for data transfer to Smartphone and data analysis: about 6 sec;
7. Data storage: unlimited on Smart Phone internal memory, Secure Digital (SD) card, or in the Cloud;
8. Data transfer to desktop PC via mobile network, wifi, or wired synchronization;
9. Presentation of measurements on desktop PC via Windows menu. Easy generation of reports in pdf format;
10. Accuracy:
  - a. Temperature range of operation: - 5 °C and + 40 °C;
  - b. Vertical geometry: +/- 0.020 mm;
  - c. Lateral geometry: +/- 0.050 mm;
  - d. Inclination associated with QI: +/- 5 %;
11. Measuring principle transducers: eddy current. Results are not influenced by moisture, rust and dirt, so that actual metal surface is measured;
12. Bottom of RAILPROF is resistant to temperatures up to 150 °C;
13. Shipping information:
  - a. Total weight of flight case, RAILPROF, PDA and carton protection box: approximately 19 kg;
  - b. Dimensions: approximately 137 x 43 x 17.5 cm.