

## **RAILPROF SPECIFICATIONS**

1. Weight: less than 7 kg;
2. Length: 116 cm;
3. measurements controlled by PDA through wireless communication via Bluetooth;
4. Measuring length: 1,000 mm in accordance with the CEN standards for weld geometry; sampling interval 5 mm;
5. Measuring time: about 10 sec;
6. Data transfer to PDA and analysis: about 6 sec;
7. Data storage: unlimited on PDA internal memory or Secure Digital (SD) card;
8. Data transfer to desktop PC via Active Sync, Windows Mobility Center, memory card, or network (GPRS, or wifi);
9. Presentation of measurements on desktop PC via Windows menu. Easy to generate reports in, for instance, pdf format;
10. High accuracy at ambient temperatures between - 5 °C and + 40 °C (PDA normally 0 °C to + 40 °C):
  - a. Vertical geometry: +/- 0.030 mm;
  - b. Lateral geometry: +/- 0.050 mm;
  - c. Inclination associated with QI: 0.180 mrad, accuracy +/- 5 %;
11. Measuring principle transducers: eddy current. The results are not influenced by moisture, rust, dirt and the real metal surface is measured;
12. Bottom of RAILPROF is resistant to temperatures up to 150 °C;
13. Freight 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.