

RM 1200 digital

Electronic corrugation measuring device



➤ Rail profile



➤ Digital





MPCe display and operator control unit

Measurement method

The carriage is moved from the start to the end stop of the 1200 mm measuring distance by a hand-crank. A touch probe records the geometry of the rail surface at 2 mm intervals. The measured rail profile is compared against the profile of a reference rail. Any differences detected are recorded digitally depending on travel and saved to an SD card in the MPCe.

RM 1200digital: Easy measurement and evaluation of corrugation

Wherever rails are welded, ground and milled, the results have to be assessed for quality control purposes: a job for the RM 1200digital. The handy measuring system is immediately ready for use, and the measurement is done in just a few seconds.

New

A special feature of the measuring system is the "MPCe", a display and operator control unit specially developed to meet track bed requirements. The recorded longitudinal profile of the rail is displayed graphically in real time on the MPCe.

The colour LCD display features an adjustable backlight, permitting ergonomic working even in darkness.

Practical

The measurement data is saved to an SD memory card and can be evaluated on-site on the MPCe (according to DIN EN 13231-3:2012 or DB Directive 824 for example). The associated software is available as an option, and is installed directly on the MPCe.

The powerful MPCe is highly ergonomic and efficient. Useful extra functions such as real-time display, day-date recording and a text editor for track data enable measurements to be documented in an optimal way.

> Product benefits

- + Digital recording of the primary rail profile
- + Graphical display of raw data
- + Wavelength evaluation up to 1000 mm
- + Backlit colour display with touch-screen
- + Easy data exchange via SD memory card
- + Usable for different track widths
- + Measuring device approved by DB and complies to EN 13231-3:2012

> Technical data

Device length	1500 mm
Length measuring range	1200 mm
Height measuring range	2,5 mm
Measurement accuracy	0,01 mm
Travel measurement	2 mm interval
Weight	11 kg
Memory capacity	approx. 3000 measurements
Display	illuminated

> Options

Integrated evaluation software to EN 13231-3:2012 and DB RIL 824

Modification kit for measurement on grooved rails

