



Vogel & Plötscher

# RM 1200D

Stationary corrugation measuring system



➤ Easy and efficient operation

➤ Rail longitudinal profile and welding joints

➤ Complies with EN 13231-2:2020 and DB directive 824.8310:2017



## RM 1200D

Wherever rails are welded, ground, and milled, the rail profile has to be checked: a job for the RM 1200D. The state-of-the-art measuring system inspects the rail longitudinal profile and welding joints in accordance with the applicable regulations.

### Easy to use

The measurement with RM 1200D is simple and efficient. The measuring system is ready to use on the rail after few moments and the measuring process only needs few seconds as well: the measuring carriage is moved along the 1200 mm long measuring distance using a hand crank. During the movement of the measuring carriage, the high-resolution measuring pin captures the primary profile of the rail surface within intervals of 2 mm distance. The **RMDcatcher** software shows the measuring data in real time at the powerful outdoor tablet "MiniPad". After the measurement it is possible to export the data in \*.csv-format.

Convenient: the optional embedded data evaluation instantly evaluates the measuring data according to EN 13231-2:2020 and DB directive 824.8310:2017 on the MiniPad. The evaluations are provided on basis of default wavelengths from 10 mm to 1000 mm.

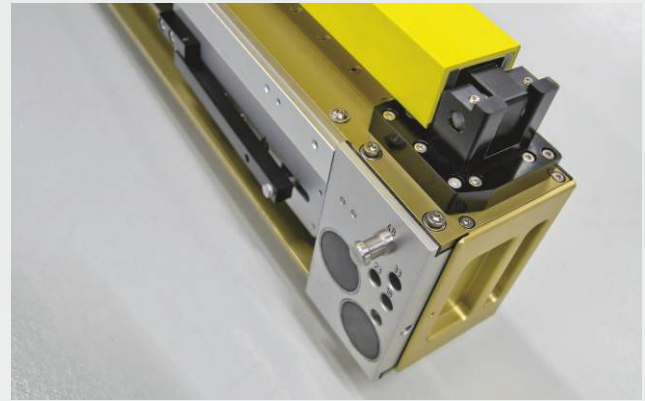
### Flexible applicable

Due to the adjustable rail support arm, it is possible to use the RM 1200D on different track gauges. Two stop bolts allow to set the proper measuring line on the rail running surface before the measurement. For measuring on grooved rails a suitable modification kit is available, too.

For an even more ergonomic use, the RM 1200D can also be supplied in an automated motor-driven version.

## ➤ Technical data

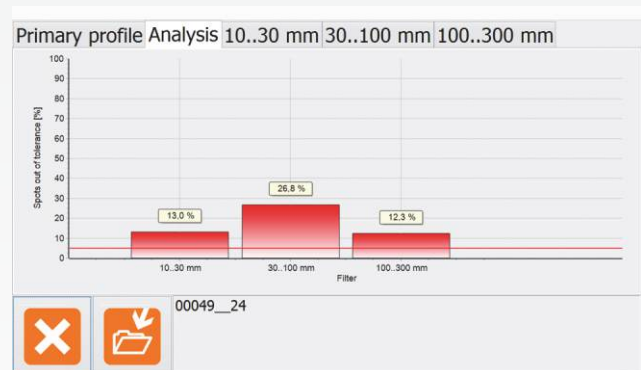
Measurement resolution:	0,01 mm
Sampling rate:	2 mm
Measuring length:	1200 mm
Measuring range:	2,5 mm
Wavelengths:	10 mm – 1000 mm
Vignoles rail running surface:	18, 23, 33 and 48 mm
Grooved rail running surface:	18, 23 and 33 mm
Length support arm:	1465 mm
Dimensions   Weight	
> RM 1200D:	~ 1500 x 180 x 150 mm   11 kg
> Case:	~ 1550 x 250 x 220 mm   10 kg



Magnetic rail support with adjustment of the rail running surface



RM 1200D in its belonging transport case



Embedded measuring data evaluation in RMDcatcher software

## Key features

- + Digital measurements of corrugation and welding joints
- + On-site evaluation according to EN 13231-2:2020 and DB directive 824.8310:2017 (option)
- + Graphical display of measurements in real time
- + Powerful outdoor tablet computer
- + Fully automated version (option)
- + Fit vor various gauges
- + Approved by DB

