



Vogel & Plötscher

MessReg CDM

Continuous track and switch inspection



Complete software package



Continuous, precise capture of all measuring parameters



Automated allocation of the measurement values to the measuring points



MessReg CDM

MessReg CDM is the proven benchmark in the area of digital track and switch inspection. It is the only automatic-continuous track and switch measuring system approved by Deutsche Bahn (DB).

Accepted operating principle

MessReg CDM efficiently measures all common track and switch parameters. It combines highest accuracy with ergonomic handling. The continuous data capture and storage takes place fully automatically at intervals of 5 mm with a measuring resolution of 0.1 mm. The measurement values are automatically and reliably assigned to the different measuring points within a switch. Tolerance exceedings are shown immediately. The comment function allows the user to document special features or events with pinpoint accuracy during the measurement.

Complete software package

The measuring system is supplied with a complete software package for data capture and evaluation. Especially the evaluation software CDMviewer with graphical display of the measurement results as well as measurement reports in PDF format and data export (*.xls) convinces in its benefit for the user. The evaluation of the measurement results is possible on site on the powerful outdoor notebook. Customized measurement reports and evaluations are available on request.

MessReg CDM is delivered with the outdoor notebook "MPC", the software package (CDMline, CDMcatcher and CDMviewer) and in a robust transport case. It can be set up and operated by one person without additional tools. If necessary, the measuring system can be adapted for grooved rails and be equipped with optional sensors for groove depth measurement.

Technical data*

Measurement resolution:	0,1 mm
Sampling rate:	5 mm
Track gauge:	1425 – 1475 mm
Check rail gauge:	1392 – 1403 mm
Back-to-back distance:	1349 – 1360 mm
Flangeway clearance:	22 – 54 mm
Groove depth (option):	11 – 47 mm
Cant:	± 170 mm
Dimensions Weight	
> MessReg CDM	~ 955 x 1674 x 950 mm 22 kg
> Case:	~ 1730 x 440 x 460 mm 36 kg

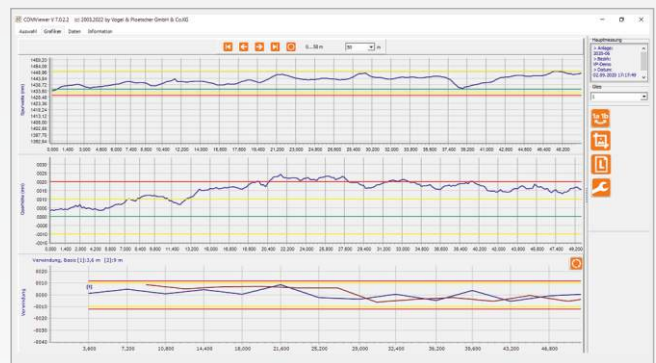
* All figures based on a nominal gauge of 1435 mm.
Details for other gauges available on request.

SR	M.P.	Actual	Cont.	Position [m]	HZ	M	RL	1+1	Information	Measuring mode
a	1438,1	2,5	0,000						1 sleeper before welding	Track gauge
LV 1	b	1443,4	1,2	1,368					Tip of tongue	Track gauge
LV 2	d	1438,3	20,4	4,887					End of tongue	Track gauge
e	0,0	0,0	22,518						150 mm after frog nose	Track gauge
f	0,0	0,0	22,518			0 >			Check rail gauge	Check rail gauge
h	0,0	0,0	22,518			1 <			Flangeway guard rail	Flangeway clearance
i	0,0	0,0	22,518						Flangeway wing rail	Flangeway clearance
r	0,0	0,0	22,518						Back-to-back distance	Back-to-back distance
k	0,0	0,0	27,496						welding joint	Track gauge

Measuring software CDMcatcher



Measurement probes of MessReg CDM



Evaluation software CDMviewer

Key features

- + Capture of up to 10 measurement parameters
- + Evaluation acc. to DB directive 821.2005
- + Display of measurement values in real time
- + Durable design made of light metal
- + Capture of the measurement values with four measurement probes, two distance counters and one inclination sensor
- + User-friendly software package
- + Official German DB approval

**For more information
see vogelundploetscher.de**

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