



MessReg CTG

Chord-based track geometry trolley

- ✓ Efficient determination of track geometry
- ✓ Automatic-continuous data capture
- ✓ Ergonomic and simple operation

www.vogelundploetscher.de/en
www.robел.com

MessReg CTG

Our efficient solution for recording the most important track geometry parameters: MessReg CTG.

The advanced measurement trolley is designed for use on Vignole and grooved rails. In addition to measuring track gauge and cant, the system calculates the geometric deviations of the track in both horizontal and vertical alignment relative to the physical measuring chord.

Detect tolerance exceedings and document them precisely

Measurement data is recorded automatically and continuously, with graphical and numerical results displayed to the user in real time. Associated limit values can be defined individually. The software automatically detects tolerance exceeding and highlights them in color. In addition, the user can record events or track defects accurately and position-specifically at the press of a button.

The measurement results are available either as a PDF report or as an Excel data export.

Compact, ergonomic design

MessReg CTG features a modular design to be quickly assembled. Transport, setup, and operation can be performed by a single person.

Applications

- ✓ Determination of relative track geometry
- ✓ Track monitoring (wear and operational safety)
- ✓ Planning of maintenance and repair work
- ✓ Construction acceptance and commissioning inspections

Standard scope of supply

- ✓ Chord-based track measurement trolley
- ✓ Outdoor tablet with GPS
- ✓ Software for data capture and evaluation
- ✓ Solid transport case

TECHNICAL DATA *

Measurement resolution	0,1 mm
Measurement interval	≤ 250 mm
Track gauge	1420 – 1485 mm
Gradient	± 65 mm
Cant	± 225 mm
Twist	± 225 mm
Vertical irregularity	± 2 mm
Horizontal irregularity	± 5 mm
Measuring chord (physical)	1.300 mm extrapolatable to 10 m

Dimensions | Weight

MessReg CTG	~ 1675 x 1550 x 780 mm 26 kg
-------------	--------------------------------

* Preliminary technical data. Subject to change without notice. All specifications refer to the nominal track gauge of 1435 mm.
Other track gauges available on request.



Physical chord for versine measurement



Outdoor tablet MPad



KEY FEATURES

- ✓ Efficient determination of relative track geometry
- ✓ Physical measuring chord
- ✓ Real-time display of measurement data
- ✓ Automatic data processing with graphical evaluation
- ✓ Compact and ergonomic design

ROBEL Metrics GmbH & Co. KG
Geldermannstraße 4, D-79206 Breisach
T +49 (0) 7667/946100
info@voploe.de
www.vogelundploetscher.de/en
www.robel.com
© ROBEL Metrics GmbH & Co. KG

DE 09/26