



GEDO DOC

FOR EASY CONTROL OF RAIL QUALITY

The System, based on the Trimble GECO CE 2.0 track measuring trolley, allows easy track control by measuring the basic quality parameters. The cant, track gauge and twist are measured depending on the chainage.

TRIMBLE GEDO SYSTEMS

Trimble GEDO systems can be used for various applications to measure, record and analyze the track position and quality, as well as for construction and maintenance work. Trimble GEDO instruments and software are designed specifically for the diverse surveying tasks on railway lines, simplifying work procedure in the field and in the office. Using standard data formats, information can be exchanged with leading track design software products and track maintenance equipment.

SYSTEM CONFIGURATION

Trimble GEDO CE 2.0

Track measuring trolley with sensors for measuring gauge and cant. Together with a Trimble control unit suitable for use in the field, this forms the basis for the simple and fast acquisition of the most important parameters for assessing track quality. The Trimble GEDO CE 2.0 track measuring trolley can easily be lifted off the track by one person before a train passes through.

Trimble GEDO Rec Module Doc

Software for recording the most important track quality parameters in connection with the Trimble GEDO CE 2.0 track measuring trolley. The values are displayed during the measurement and can be output as a protocol in the field.

Trimble GEDO Profiler

Optional laser measuring unit for checking the track position at reference points and for measuring distances to structures and platforms.

Key Benefits:

- ▶ Continuous, simple and fast recording of track gauge, cant and twist
- ▶ Live display of the current measured values
- ▶ Measurement of long stretches of track, even without stoppages and influencing rail traffic
- ▶ Direct output of results on site in selectable point interval possible
- ▶ Recording and coding of important positions
- ▶ Use of a universal track measuring trolley with modular expansion options



FOR EASY CONTROL OF RAIL QUALITY

GENERAL

Application Track quality control by measuring gauge
Cant and twist
Optional with profiler for checking the track position at reference points
and distance measurement to objects close to the track

Performance

Continuous recording up to 3,600 m/h

TRIMBLE GEDO CE 2.0 TRACK MEASURING

Description Track measuring trolley
Gauge 1000 mm, 1067 mm, 1435 mm, 1520 mm,
1600 mm, 1668 mm, 1676 mm
(other gauges on request)
Weight 16.8 kg

Gauge measurement

Range -20 mm to +60 mm
Accuracy ±0.3 mm

Cant measurement

Range ±9° or ±235 mm at 1435 mm gauge
Accuracy ±0.5 mm (static)

Battery

Type Trimble S-Series Li-Ion, rechargeable
Life 8 to 10 hours

TRIMBLE PROFILER GEDO CE 2.0

Weight 3.5 kg
Measurement range 0.3 m to 30 m
Typical accuracy for distance measurement ±1.5 mm

TRIMBLE TSC3 CONTROLLER

Operating System Windows® Embedded Handheld 6.5 Professional
Operation Touchscreen, Keyboard
Interfaces USB, RS232, Bluetooth®, WLAN (802.11 b/g)
Environmental Protection IP67; MIL-STD-810G
Temperature range -30 °C to +60 °C
Weight 1.04 kg

Battery

Life 34 hours

TRIMBLE TSC7 CONTROLLER

Operating System Windows® Microsoft 10 Pro
Operation Touchscreen, Keyboard
Interfaces USB, RS232, Bluetooth®, WLAN (802.11 a/b/g/n)
Environmental Protection IP68; MIL-STD-810G
Temperature range -20 °C to +60 °C
Weight 1.6 kg

Battery

Life up to 7 hours



*Specifications subject to change without notice.

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