

# GEDO DOC BASIC

## SIMPLE TRACK GEOMETRY MEASUREMENTS

The System, based on the Trimble GEDO 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 in measuring, recording and analyzing track position and track quality, as well as for construction and maintenance activities. The instruments and software of the Trimble GEDO systems are specifically designed for the various surveying tasks on railway lines and simplify the work in the field and in the office. Using standard data formats, information can be exchanged with leading software products for track planning and track maintenance machinery.

### SYSTEM CONFIGURATION

#### Trimble GEDO CE 2.0

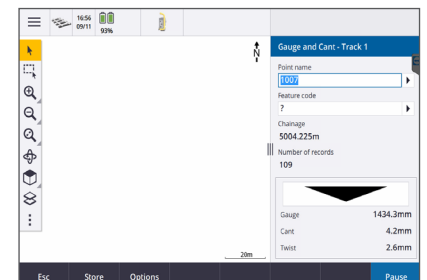
Track measurement trolley with sensors for measuring gauge and cant. In combination with a Trimble control unit suitable for use in the field, this forms the basis for a simple and fast acquisition of the most important parameters for assessing track quality. The track measuring trolley can easily be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

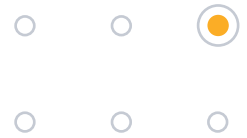
#### Trimble Access Rail module Gauge and Cant

Software module integrated in Trimble Access for recording the most important track quality parameters in conjunction with the Trimble GEDO CE 2.0 track measurement trolley. The measured values are displayed during the measurement and can be output on site in a log file.

## Key Benefits

- ▶ Simple track control by measuring the basic quality parameters
- ▶ Continuous, simple and fast recording of track gauge, cant and twist
- ▶ Live display of the current measured values
- ▶ Measurement of long sections of track during temporary closures without affecting rail traffic
- ▶ Direct output of results on site in a user definable point interval
- ▶ Recording and coding of important positions
- ▶ Use of a universal track measuring trolley with modular expansion options





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## SIMPLE TRACK GEOMETRY MEASUREMENTS

GENERAL	
APPLICATIONS	
	Track quality control by measuring gauge, cant and twist
PERFORMANCE	
System accuracy	±0,5 mm in Stop-&-Go-Mode ±1 - 2 mm in Kinematic Mode
Measurement speed	up to 5.000 m/h
SYSTEM REQUIREMENTS	
Controllers	Trimble TSC7, T7 and T100 controllers (Windows® OS) Trimble TSC5 (Android OS)
Trimble Access version	2023.10 or above (for Windows OS) 2023.10 or above (for Android OS)
Software compatibility	Functionality also included in Trimble Access Rail module GEDO Rec Trolley

TRIMBLE GEDO CE 2.0	
Description	Track-mounted trolley (Extensions are possible)
Gauges	1.000 mm, 1.067 mm, 1.435 mm, 1.520 mm, 1.524 mm, 1.600 mm, 1.668 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 1.435 mm track gauge
Accuracy	±0,5 mm (static)
BATTERY	
Type	Trimble S-Series Li-Ion, rechargeable
Life	> 12 h
COMMUNICATION	
Connection to control unit	Bluetooth®



Specifications are subject to change without notice.

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