

GeoTEL
Geodézie Telemetrie Elektronika s.r.o.



TRACK GAUGE TG-03

DIGITAL TRACK GAUGE TG-03

LIGHT, ACCURATE, RELIABLE, VERSATILE AND COST SAVING SOLUTION FOR TRACK SPECIALISTS (NEED ONLY TG-03 AND TOTAL STATION)

TECHNICAL SPECIFICATION

Gauge

Gauge (mm)	1000 mm + 66, 435, 520, 600, 668 on request less than 1000 mm
Range of measurements	- 25 mm to + 50 mm
Accuracy	± 0.3 mm

Cant (superelevation)

Range of measurement	±10° (260 mm for gauge 1435 mm)
Accuracy	±0.5 mm

Communication

Communication ports	USB, Bluetooth class 2 Long Range Bluetooth module for communicating with the TS
Internal memory	2GB

System accuracy

Determination of track position and height*) GG-05 with total station TOPCON PS Stop&go mode	Pos./Height: ±1mm (round prism, cross direction)
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Physical

Working temperature range	-10° to +40° C
System weight	5,6 kg
Power supply - removable battery	About 8 hours battery life
External battery charger	

*)Typical Job accuracy. Depending on atmospheric conditions, control point quality, type of positioning instrument and Job conditions.

OPTIONS FOR SPACE CENTER LINE MEASUREMENT

Recommended TS	Topcon OS, DS or PS (possibility of other TS using an internal record to TG-03)
EasySURV	Windows CE software for Topcon total stations Onboard software for common measurement of TG-03 and TS.
Rail	Office PC software for processing, editing and evaluation of measured data from EasySURV software
Miniprism set	

APPLICATION

- ❖ Tamping
- ❖ Re-alignment
- ❖ Maintenance of existing Rail track
- ❖ Track Geometry Analysis (Cant & Gauge)
- ❖ Rail Topographic Survey

CONTACT

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