GEOKOD Rail

Experience and Innovation

TRACKMASTER TM3000

Integrated system for measuring track geometric parameters and track spatial position.

TRACKMASTER TM3000

It is a track trolley for measuring track gauge, cant (superelevation), and distance traveled, for measuring the spatial position of the track using a total station or a GNSS receiver, and for measuring the clearance profile using a laser rangefinder.

TROLLEY DESCRIPTION

+ Lightweight aluminum construction
+ Assembly and disassembly without tools
+ Easy transport even in a small car
+ Simple operation and handling
+ Durable, maintenance-free running wheels, enabling measurement on grooved rails and also in places where ballast reaches the rail
+ Clearance height above the top of rail: 150 mm
+ Replaceable battery compatible with Leica or Topcon total stations
+ Long-range Bluetooth module for communication up to 300 m
+ Option to mount various types of prism reflectors
+ On-site operational calibration by the user via a web interface
+ Expandable to all track gauges from 750 to 1668 mm
+ Compatible with Leica Captivate and GEOKOD RailSURV
+ Android app for recording and displaying basic measured values
+ Option to mount a Disto X6 for measuring the track clearance profile and mapping surrounding objects

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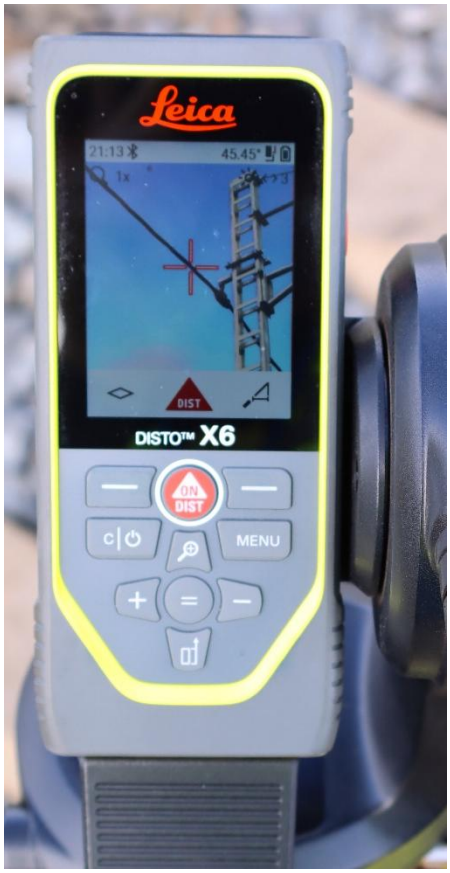
TROLLEY SPECIFICATION

Gauge :	-25 / + 50 mm measurement repeatability ±0.2 mm
Cant :	±10 deg (260 mm/1500 mm) measurement repeatability ± 0.4 mm
Distance traveled:	unlimited, with 1 mm resolution
Dimensions:	1582 x 710 x 310 mm
Weight:	12 kg
Battery life:	18 hours
Battery type:	Leica GEB 222 / Topcon BDC70
Operating temperature:	-10° / +50 °C



TROLLEY APPLICATION

- **Measurement of track geometric parameters – gauge, cant (superelevation), and distance traveled**
- **Measurement and data preparation for tamping machine**
- **Slab track setting out**
- **Inspection of completed post-construction works**
- **Railway line mapping**
- **Measurement of the track clearance profile and verification of overhead traction line position**

CONTACT

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