

GTL-1000



GTL (Geodetic Total Laser) Scanning Robotic Total Station

A versatile Scanning Robotic Total Station that delivers advanced BIM workflows for the 3D professional. The GTL-1000 provides ultra-powerful, full-dome scanning for survey-grade georeferenced 3D modeling. It's ready for even the most demanding jobs, with a casing that's waterproof and dustproof. MAGNET® Field software is included for intuitive operation with increased productivity.

FEATURES

- Combined laser scanner and high-resolution camera
- Powerful EDM
- IP54 Rating
- Bluetooth® / WLAN
- Laser plummet (Optional)
- On-board and removable data storage

Specifications subject to change without notice.
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www.topconpositioning.com/gtl-1000

SCANNING

Method, Source, Class	Pulse(TOF), 870nm, Class1
Beam Spot Size, Divergence	60 x 27 mm at 30 m
Accuracy Dist., Ang., Pt	16 mm at 30 m, Sigma 30", 10 mm at 30 m
Precision / Noise	5 mm at 10 m
Range (KGC 90%)	0.6 - 70 m
FOV	360° x 270° (H x V)
Scan Speed	100 KHz (100,000 points per second)

IMAGING

Tele	5 megapixel, 60°(Diagonal)
Wide / Panorama	5 megapixel, 135°

TILT

Range, Accuracy, Resolution	±6', ±4", 1"
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PLUMMET

Method, Accuracy, Spot size	Optical/Laser(OP), 1.5 mm at 1.5 m, 2.5 mm at 1.5 m
Height Sensor	N/A
Plummet Camera	N/A

TOTAL STATION

EDM, Track / Aim	1000 m (NP), 800 m
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COMMUNICATION

Serial Communication	RC232C / USB2.0
Wireless communication	Bluetooth® Class 1 / WLAN

DATA STORAGE

Internal, External	1GB, SD (for Scan) / USB
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DISPLAY

Display, Key	4.3 inch VGA w/TP, 24 Keys + 2 Keys
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SPECIFICATIONS

(P)Plate, (C)Circular level (w/o tribrach)	(C) 10 1/2 mm (Optional)
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GUIDE LIGHT

Guide Light, Laser pointer	5.0 - 150 m, Class 2 Laser (Optional)
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ENVIRONMENTAL

Water proof, Operating Temp	IP54, -10°C to 50°C
Battery	Li-ion 7.2V / 5.2Ah
Weight (Main + Battery), Size (H x W x D)	7.3 kg, 430 x 190 x 230 mm

