

GTL-1200



GTL Scanning Robotic Total Station

A versatile Scanning Robotic Total Station that delivers advanced BIM workflows for the 3D professional. The GTL-1200 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 onboard 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-1200

| 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 | 200 KHz (200,000 points per second) |
| IMAGING | |
| Tele | 5 megapixel, 60°(Diagonal) |
| Wide / Panorama | 5 megapixel, 135° |
| TILT | |
| Range, Accuracy, Resolution | ±6', ±4", 1" |
| 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 |
| COMMUNICATION | |
| Serial Communication | RC232C / USB2.0 |
| Wireless communication | Bluetooth® Class 1 / WLAN |
| DATA STORAGE | |
| Internal, External | 1GB, SD (for Scan) / USB |
| DISPLAY | |
| Display, Key | 4.3 inch VGA w/TP, 24 Keys + 2 Keys |
| SPECIFICATIONS | |
| (P)Plate, (C)Circular level (w/o tribrach) | (C) 10'2 mm (Optional) |
| GUIDE LIGHT | |
| Guide Light, Laser pointer | 5.0 - 150 m, Class 2 Laser (Optional) |
| 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 |

