Specifications

Telescope

Image	Right-reading
Magnification	30x
Field Of View	1°30′
Minimum Focus	1.7m
Resolution	2.8"

AngleMeasurement

Accuracy	2″
Reading System	Absolute Encoders
Minimum Reading	1″

Distance Measurement

Measuring	Non-Prism	1000m
	Reflector	2000m
	Single Prism	4000m
Single Prism	±(2mm+2×10^{-6} ×D)	
Accuracy	Non-Prism	±(3mm+2 ×10^{-6}×D)
	Reflector	±(3mm+2 ×10^{-6}×D)
Time	Fine: 0.7s Rapid: 0.5s Tracking: 0.3s	
Minimum Display	Fine / Tracking: 0.1mm	

Compensator

Compensator Type	Dual axis
Compensator Range	±4′
Compensator Resolution	1″

Level Vial Sensitivity

Tubular Level	30″/2mm
Circular Level	8′/2mm

Laser Plummet

Accuracy	1.5mm@1.5m
Wavelength	635nm
Safety	Class2
Output Power	0.7-1.0nw

Panel

Screen	5.5"semi transparent reflective touch screen
Key	x26
Backlight	Support

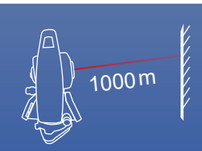
Power

Battery	Type		3400mAh*2 Li-ion battery
	Low voltage alert		Shutdown in 10 mins
Working Time	Angle Measuring	single screen 20h	double screen 12h
	Distance Measunng+ Angle easuring	single screen 12h	double screen 8h

Environment

Operating Temperature	-20℃ ~ +50℃
Storage Temperature	-30℃ ~ +55℃
Water/Dust Proof	IP54

*The above technical parameters are for your reference.The company reserves the right to change the design and planning of the product based on the actual product.



1000m Reflectorless EDM

Five axis ranging opticalpath:0.1 second fastmeasurement

Liquid reflex compensator: high precision range

Objective punching technology: shorter fine ruler

Precision fretting structure:0.25mm pitch

Close bead type number axis system:180 steel balls rolling without clearance

Integrated straight through horizontal axis: ensure vertical Angle accuracy

Four probe samplingAngle measurement:2"Angle measurement accuracy

Rich measurement program:CAD/EXCELL can be directly exported

Multi-mode data transmission:Bluetooth /SD card/data line

GINTEC®

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GINTEC

TAKE POSITION ASSURED

GTS12A

Android Total Station

- 2"Accuracy +1000m
- 5.5 Inches Touch Screen
- Professional Software

Android Total Station

Originated from European optical technology, with special dense bead shaft system, center compensator, new generation measuring ruler and the static absolute encoding disc, GINTEC Android Total Station comes with higher quality, accurate and stable performance.

Lithium-ion Battery
Default 2 batteries Working time up to 8 hours.

Touch Measurement
The patented touch trigger key helps mitigate the impact of jitter on the measurement.

Handy Brake Wrench
User never feels tired with the ergonomic design which fits human fingers. Lock and unlock with a gentle press.

Laser Plummet
Coaxial laser plummet makes it more convenient to track the targets.

Advanced Optical System
Europe optical technology helps effectively suppress chromatic aberration and make clearer observation.

BT5.0/BLE
For external device access and data transmission.

Efficient Processor
With advanced architecture processor to lower energy consumption and improve the stability of the total station.

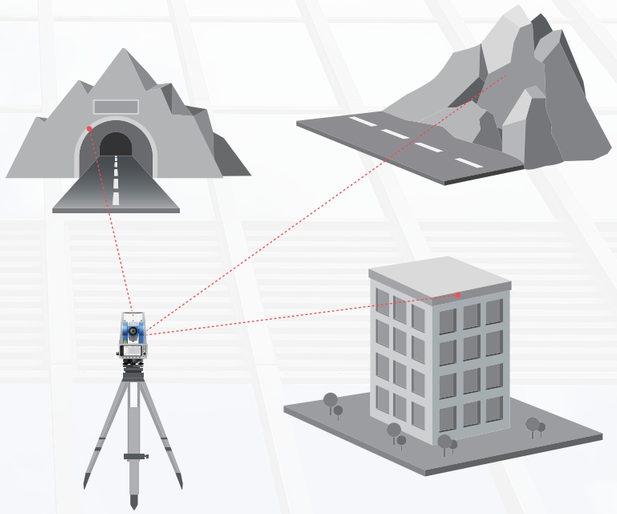
Type-C
Support data upload and download through Type-C interface, and firmware upgrades.

Precise Distance Measuring Technology

GINTEC can achieve fast and accurate distance measurement through built-in eight adaptive high-frequency measuring rulers and advanced phase laser ranging algorithms, meeting the accuracy requirements of various advanced engineering measurements.

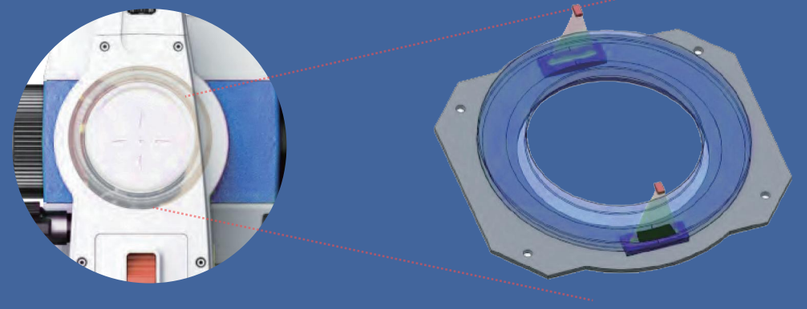
1,000m
Non-Prism Distance Measurement

4,000m
Single Prism Distance Measurement



Precise Angle Measuring Technology

Self-developed high-precision angle measurement system technology includes coding, high-precision code disc, linear array CCD photoelectric measurement, decoding, redundancy, calibration, multi-sensor combination algorithm and other sub-technologies, providing on-site jobs with high stability and fault tolerance.



Coaxial Comprehensive Compensation

Compensator is located directly above the vertical axis. It can quickly and accurately compensate during rotation. At the same time, CCD is used for precise calibration. The compensation range is up to 4, and the operation efficiency is extremely high.

Special Grade Dense Bead Shaft System

Using customized ultra-high-precision grinder precision processing technology, the carefully selected top-grade G3 steel balls are processed through dozens of processes to create a special-grade dense ball shaft system that can meet the stringent requirements of 1″-level instruments.

Strong Protection

Excellent protective performance,powerful precision shafting electronic compensation technology and high redundancy The angle measurement decoding algorithm allow the total station to be used in various extreme engineering environments, making measurements stable and reliable.