



Enjoy a
PRECISE,
RELIABLE,
and ***EASY***
experience!

*A New Generation
Android Total Station with Color Screen*



Android OS



Highlighted
touch screen



Dual Axis
Compensation



Absolute
Encoding



Water and Dust
Resistance



Data Storage



USB Port



Temperature
and pressure
self-correction



Bluetooth
Communication

PRECISE T3

A New Generation
Android Total Station with Color Screen

Built for Precision

Push the limits of range, speed, and accuracy
– even in demanding terrain.

1000m Reflectorless EDM

Smarter range. Smoother results.

With advanced EDM tracking and real-time corrections,
T3 maintains $\pm 3\text{mm} + 2\text{ppm}$ precision at long distances
– enabling faster, safer work even without prisms.

1000m

Reflectorless EDM

$\pm 3\text{mm} + 2\text{ppm}$

Precision at long distances



±4' Dual-Axis Tilt Compensation

Level or not – your data stays right

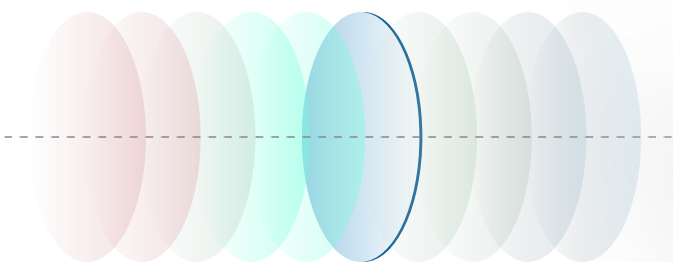
Dual-axis electronic compensation ensures precise angle and distance results on slopes or uneven setups. No guesswork. No leveling delays.



30x Wide-Angle Optics with Anti-Glare Coating

Faster targeting, clearer visuals

1°30' field of view and low-distortion optics reduce eye fatigue, while anti-glare coating ensures clear sight in sunlight or dusk.



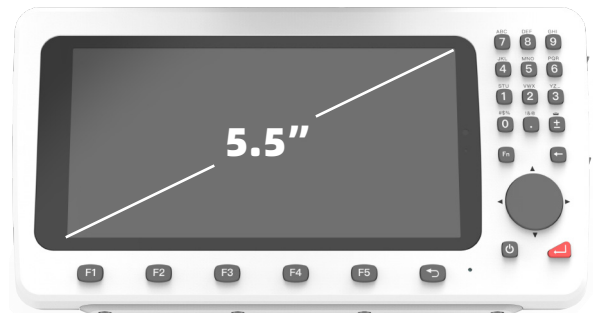
Intuitive Operation Redefined

Your crew deserves a system that's as smart as it is simple.

5.5" Daylight-Readable Touchscreen

See everything – even under the sun

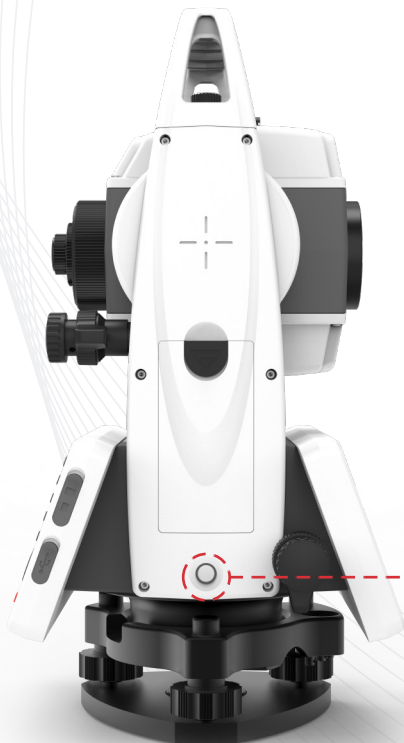
800×480 semi-reflective panel delivers clear visuals even in 100,000 lux outdoor light. Scratch-resistant and glove-friendly.



Dual Input: Keypad + Handwriting

Faster for pros, easier for new hands

Full numeric keypad for speed. Handwriting for intuitive use. Supports multiple languages and character sets.



One-Click
Quick Measure

One-Click Quick Measure

Boost daily efficiency by 30%

A dedicated shortcut key instantly triggers measurement – no menu tapping. Ideal for repetitive layout tasks or solo work.

Smarter Android Core

An open platform built for future-ready surveying.

Octa-Core CPU + 4GB RAM + 64GB Storage

Process heavy jobs with zero lag

Run large DXF files, CAD layers, or real-time stake-out apps effortlessly – 50% faster processing than legacy systems.



Octa-Core CPU



4GB RAM



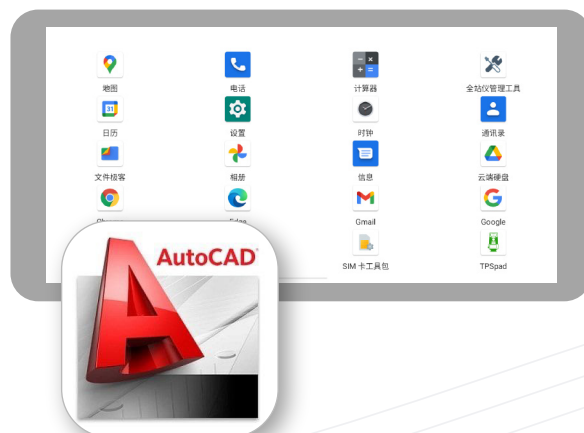
64GB Storage



Open Android System

Customize. Connect. Scale.

Install third-party apps, run cloud sync tools, and build your own field workflow. No lock-in. Full flexibility.



Always Connected, Always in Control

From field data to final report – everything, seamlessly linked.

6-Way Data Communication

USB | Bluetooth | Wi-Fi | 4G | U-disk | Email

Instant file transfer or remote sync, wherever you are.
Cut post-processing time by 40%.



USB



Bluetooth



Wi-Fi



4G



U-disk

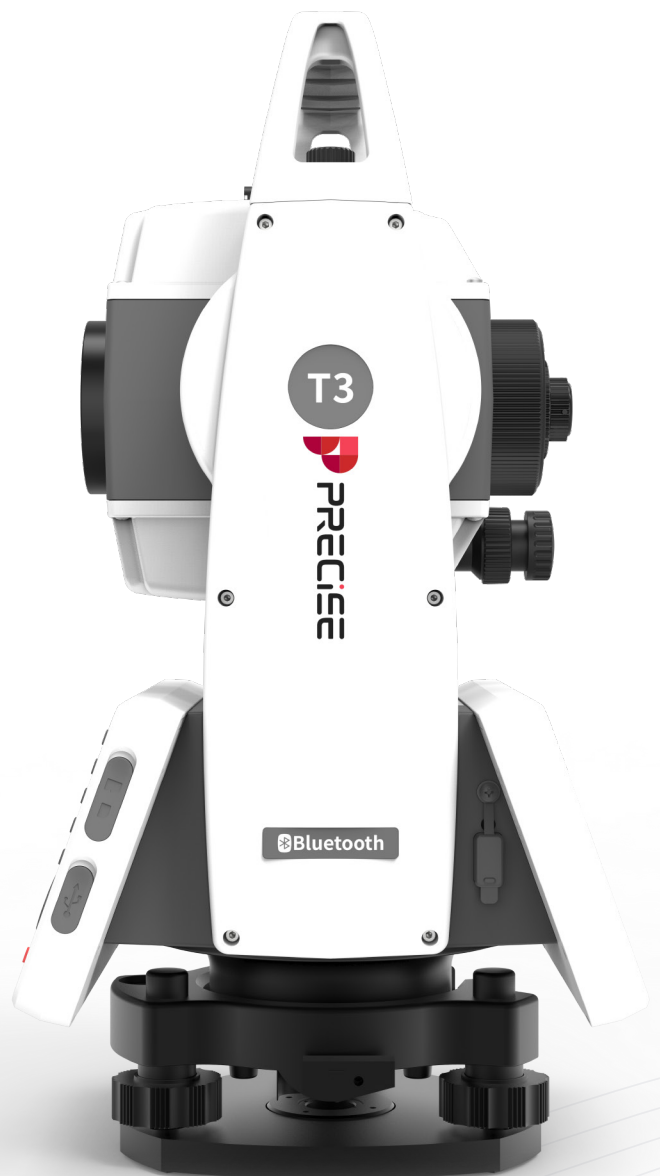


Email

Cloud Backup & OTA Firmware

Zero downtime. Always up to date.

Sync projects in real time and upgrade system remotely – no return-to-base needed. Save hours per job.



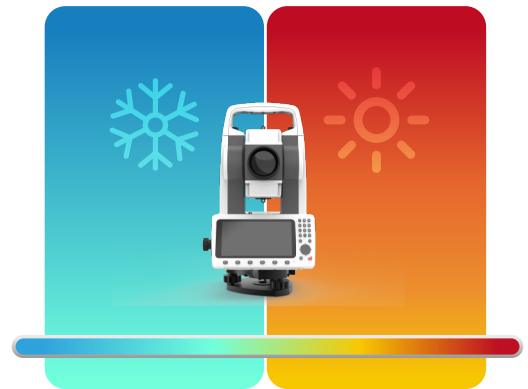
Ruggedized for the Real World

Harsh weather? Long hours? Rough transport? No problem.

Steel-Core Durability + IP54 Protection

When rugged isn't optional.

With a reinforced steel-alloy frame and IP54 sealing, T3 is built to survive drops, dust, and downpours – trusted in the toughest field conditions worldwide.



Extended Power with Dual Batteries

Stay charged, stay productive.

PRECISE T3 includes two 3400mAh batteries – one powers a full 8-hour workday, while the spare keeps you ready for the next shift. Simple to swap, built for long missions.





PRECISE T has been newly developed using the concept of total engineering design.

New technologies such as one-touch measurement shortcut keys, a new design of folding data transmission port, and a novel UI design have significantly improved the instrument in terms of materials, stability, and customization. Use of a 5.5-inch, high-definition, full-view color touchscreen, which is clear in bright sunlight, and the availability of a wide range of measurement programs make it an excellent choice for on-the-job use.

Telescope

Imaging
Magnification factor
Field of view
The shortest line of sight
Resolution

Erect image
30x
1°30'
1.7m
2.8"

Distance measurement

Range

High-precision reflective sheet 200m
Single prism 5000m
Prism-free 1000m

Accuracy

High precision reflective sheet $\pm(0.5\text{mm}+1\times 10^{-6}\times D)$
Prism precision measurement $\pm(1\text{mm}+1\times 10^{-6}\times D)$
No prism $\pm(3\text{mm}+2\times 10^{-6}\times D)$
time Precision test: 0.7 seconds;
Quick test: 0.5 seconds;
Tracking: 0.3 seconds

Minimum display

Precision measurement and tracking: 0.1mm

Laser alignment device

Precision

When the instrument height is 1.5 meters and the diameter is 1.5 millimeters

Wavelength 635nm
Security classification Class2
Output power 0.7-1.0mw

Panel

Display screen

5.5-inch semi-translucent and semi-reflective touchscreen
26
Yes

Keyboard keys
keyboard backlighting

Angle measurement

Precision 2"
Angle measurement method Absolute encoding system
Minimum display unit 1"

Tilt compensator

Compensation method Dual axis type
Compensation scope $\pm 4'$
Compensation resolution 1"

Leveling instrument

Cylindrical level gauge 30"/2mm
Circular level gauge 8"/2mm

Power supply

Main unit power supply

Battery 2x3400mAh lithium batteries
Low voltage buzzer Turn off the device 10 minutes after the alarm goes off

Working hours

Angle measurement single screen for 20h
Dual-screen 12 hours
Measure distance + measure Angle single screen for 12h
Dual-screen 8 hours

Environmental indicators

Working temperature $-20^{\circ}\text{C}\sim+50^{\circ}\text{C}$
Storage temperature $-30^{\circ}\text{C}\sim+55^{\circ}\text{C}$
Waterproof and dustproof IP54



Think PRECISE!

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