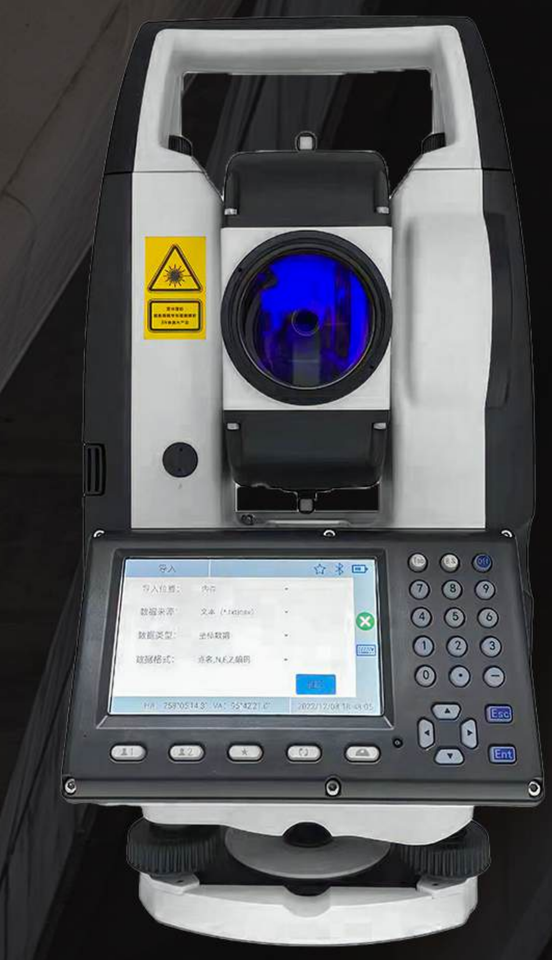
PRECISE



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 Communicaiton

New generation rangefinder system ultra-fast measurement

prism-free up to 2000 meters

Range accuracy at different distances
· 0~300 ± (3mm+2x10^{-6}·D)
· 300~600 ± (5mm+2x10^{-6}·D)
· >600 ± (10mm+2x10^{-6}·D)

One-touch measurement shortcut

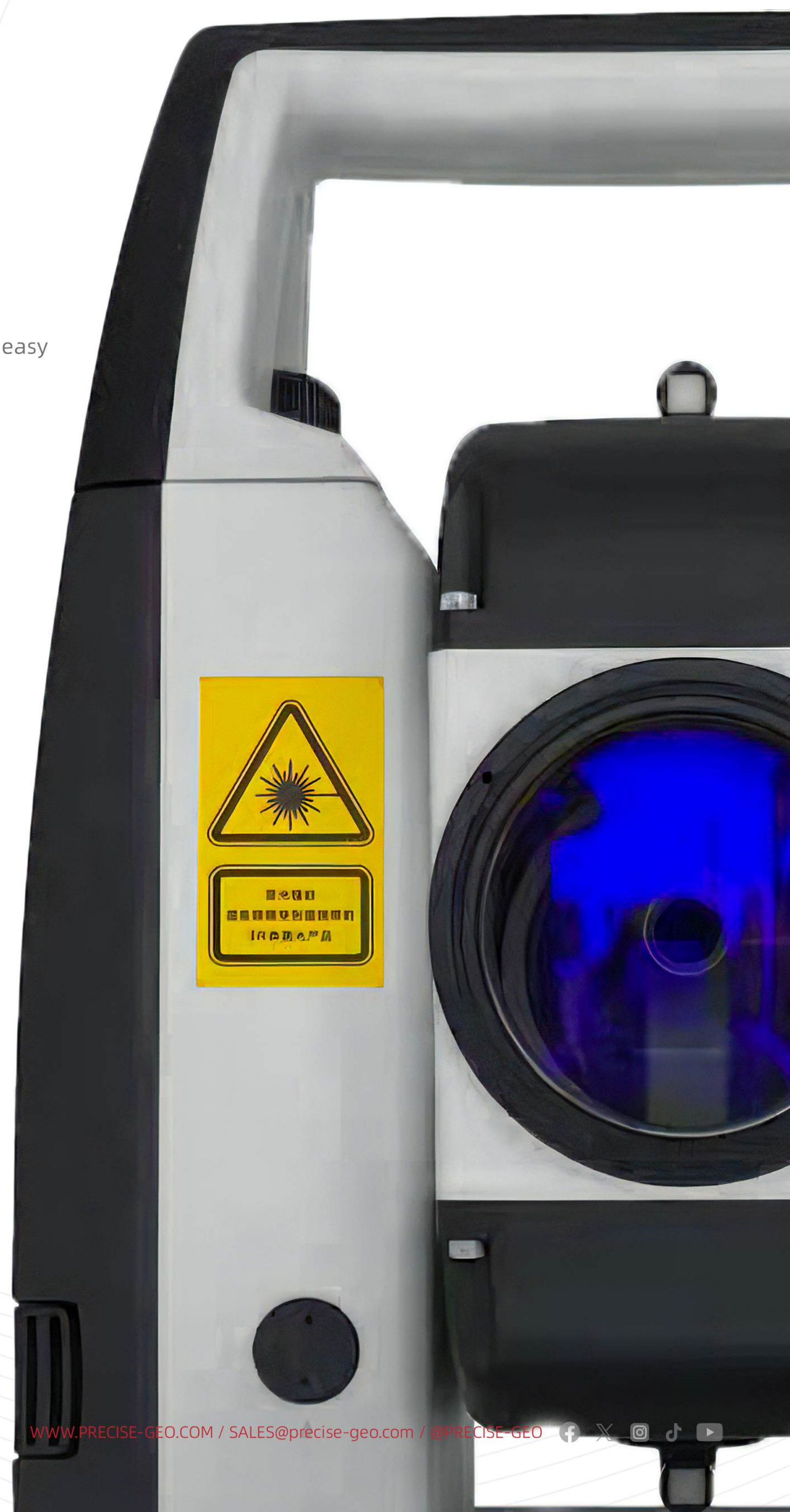
Aiming at the target and then clicking the button, it is easy and fast, and you can do whatever you want.

High-definition, full-vision, color touch screen

4.0-inch high definition full-view touch panel display with resolution of 800*480, clear in bright light.

Temperature & pressure auto-correction systems

Temperature and pressure sensors are used, and parameters can be entered and corrected automatically.



- Android OS
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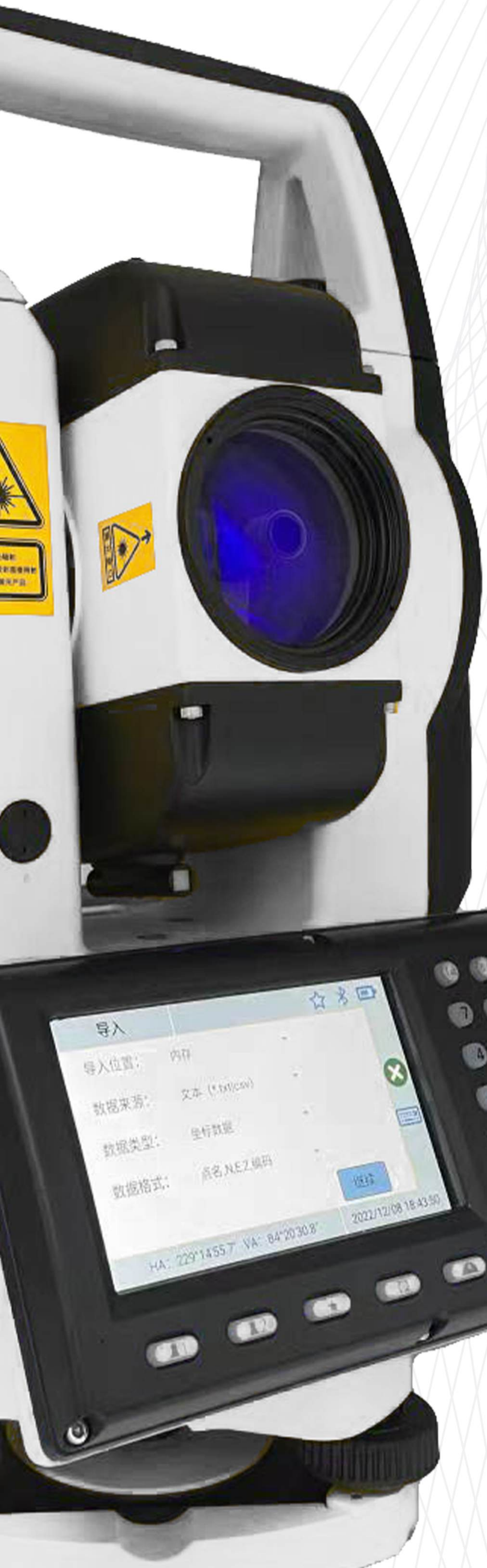

Smart Android

With Android 9.0, a high-pass MSM8953 core, 3GB of RAM, and 32GB of memory, it can quickly handle large amounts of data and information.

Multiple Data Transmission Methods

It supports USB flash disk, USB, Bluetooth, wifi, 4G grid, e-mail and other methods, flexible and open IOT grid system.

Full numeric keypad design

The humanized all-numeric keypad design provides comfortable keystrokes and a handwriting function to enhance the efficiency of user operations.

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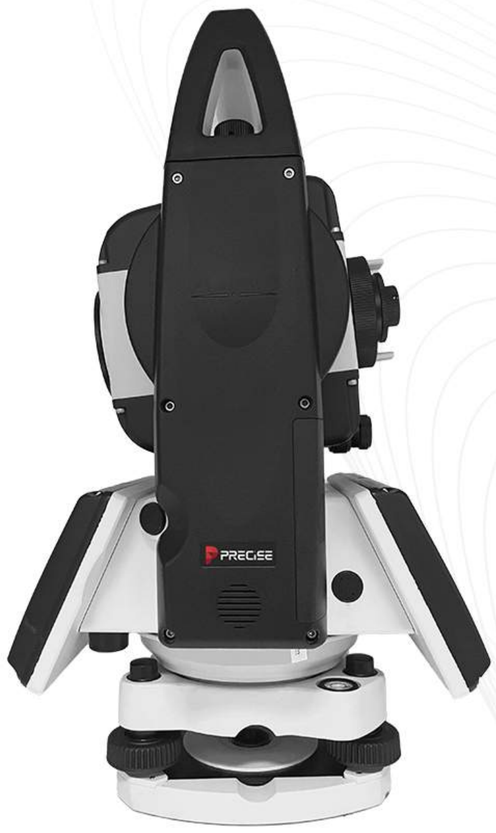
- Water and Dust Resistance



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 4.0-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.

DISTANCE MEASUREMENT
(COOPERATION OBJECTIVE)

Prism Range*	5000m
Reflective Sheet Range* (60mmx60mm)	1000m
Accuracy	±(2mm+2X10^{-6}·D)
Measure Time	Repeat:0.25s, Tracking:0.1s, Single: < 1.0s

PRISM-FREE DISTANCE MEASUREMENT
(NO COOPERATION OBJECTIVE)

Range* (The target is Kodak grayboard with 90% reflect rate)	2000m
Accuracy	0-300m 3+2, 300-600m 5+2, >600m 10+2
Measure Time	Repeat:0.25s, Tracking:0.1s, Single: < 1.0s

ANGLE MEASUREMENT

Angle Measuring Principle	Absolute Encoding
Diatmeter of Encoding Disk	79mm
Minimum Readout	0.1"/1"optional
Accuracy	2"
Detection Method	Horizontal:4-path, Vertical:4-path

TELESCOPE

Image	Erect
Tube Length	150mm
Effective Aperture	45mm(DTM:40mm)
Magnifcation	30X
Field of View	1°30'
Resolution	3"
Minimum Focus	1.5m

SYSTEM COMPREHENSIVE PARAMETERS

Compensator	Dual axis liquid photoelectric electronic compensator Working Range:±6', Resolution:1"
Weather Correction	Temperature and Pressure Sensor Auto-Correction
Prism constant correction	Auto-correction of Input Parameters
Trigger Button	Below the battery compartment

LEVELS

Tube level	30"/2mm
Circular level	8'/2mm

DISPLAY

Display Type	800x480 high-definition full-view display
Screen Size	4.0 inch size
Digital Display	Maximum:999999999.9999 Minimum:0.1mm

ON-BOARD BATTERY

Power Supply	Li-ion battery 5000mAh
Voltage	direct current (D.C.)7.4v
Continuous working time	12 hours

DIMENSION

Size	206mmx200mmx353mm
Weight	6.0Kg

* Good weather scenario: overcast, light mist, no fog, about 40km visibility

PRECISE

Think PRECISE!

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