



 **AXIS 8**

STEC

Android Total Station

2", 2+2ppm
1000m Non-Prism
Dual-laser EDM
5.5" Color & Touch Screen
Brand-new Onboard Programs
Android 14 O.S

DUAL-LASER EDM, MEASURE IT FASTER, PERFECTLY THAN EVER

With dual-laser EDM, AXIS 8 reaches 2" angular and 2+2ppm distance accuracy. Measure more points in less time, faster, quieter, and with the class-leading precision.

LARGER SCREEN, SMARTER CONTROL

AXIS 8, featuring a 5.5-inch high-resolution touchscreen and 34 keys with shortcuts, delivers superior control—making every field task faster, clearer, and more efficient.

BOOST YOUR EFFICIENCY WITH ANDROID 14 OS

AXIS 8 offers a smoother and more intuitive user experience. It enables direct online file sharing across devices — no USB or external drives needed.



- ▶ 2", 2+2ppm accuracy
- ▶ 1000m non-prism range
- ▶ Color and touch screen
- ▶ Hotkeys for quick access
- ▶ Multiple functional keys
- ▶ Guide light for easier stake out
- ▶ Android 14 OS

AXIS 8



FIELD MASTER For Android Total Station



All-In-One Software Covering Every Core Need

Including basic survey, free station, to axis, auto free station, stake out, CAD stake out, road, height-only offset and the other COGO programs.



Flexible, User-Defined Shortcuts and Hotkeys

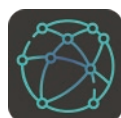
- Fast coding, measure and draw the entity in real-time.
- Intuitive icons enable quick-access operations for fluent workflows.



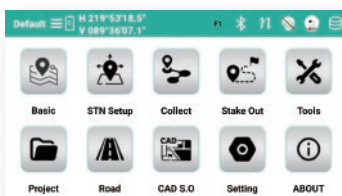
CAD Stakeout Seamless Design-To-Field Integration

Import CAD drawings directly, avoiding file conversion errors and ensuring precise consistency with design plans.

DUAL - SOFTWARE



AXIS 8 Onboard Program



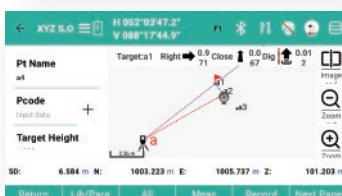
Professional Database Smarter Data Management

Separate database, keep all your data clear, well-organized, and easy to retrieve.



Line & Curve Stakeout Precision With Graphic Guidance

Step-by-step graphic guidance shows trajectories and deviations in real time, ensuring accuracy even in complex layouts.



Real-Time Graphic Display What You See Is What You Measure

Measurements are instantly visualized on-screen, connecting data with graphics.



SPECIFICATIONS

TELESCOPIC

Length	154mm
Diameter	Telescopic: 45mm; EMD: 50mm
Magnification	30x
Image	Erect
Field of View	1°30'
Resolving Power	3"
Minimum Focus	1.2m

DISTANCE

Single Prism Range	5,000m
Accuracy	±(2mm+2mm*D)m.s.e
Non-prism Range	1,000m
Accuracy	±(3mm+2mm*D)m.s.e
Measuring Time	Fine: 0.3s; Tracking: 0.1s
Meteorologic Correction	Manual input, auto correction
Prism Constant	Manual input, auto correction

ANGLE

Accuracy	2"
Method	Absolute Encoding
Detecting System	H: dual; V: dual
Minimum Reading	0.1"/1"
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horizontal: 0°
Unit	360°/400gon/6400mil

DISPLAY

Display Unit	5.5 inches, 1280*720 TFT-LCD screen
No. of Displays	2

GUIDE LIGHT

Type	Red+Green flashing LEDs
Working Range	150m

PLUMMET - LASER

Type	Class 2
Accuracy	<0.4mm @ 1.5m height
Spot Diameter	<1.5mm @ 1.5m height

TILT CORRECTION

Tilt Sensor	Dual axis
Method	Liquid electric
Range	±4'
Resolution	1"

LEVEL

Plate Level	30"/2mm
Circular Level	8'/2mm

DATA INTERFACE

Interface	USB, Type C, Bluetooth, TF card, Sim card
Bluetooth	BLE 5.0
WiFi	802.11 a/b/g/n/ac

SYSTEM

OS	Android 14
Internal Memory	RAM 4GB, ROM 32GB

GENERAL

Weight	6.5kg
Dimension	370mm*215mm*225mm
Operating Temperature	-20°C to 50°C
Battery	Li-on battery, 7.4V, 5,000mAh
Water & Dust Proof	IP55
Working Duration	10h



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