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.

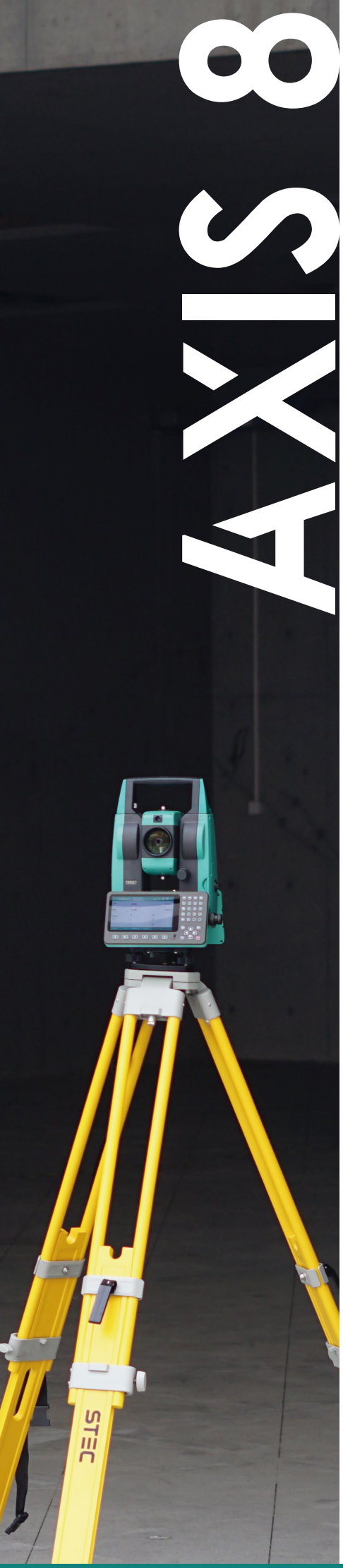
LARGER SCREEN, SMARTER CONTROL

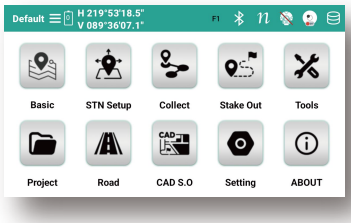
AXIS 8, featuring a 5.5-inch high-resolution touchscreen and 34 keys with shortcuts, delivers superior control—making every field task faster, clearer, and more efficient.

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.

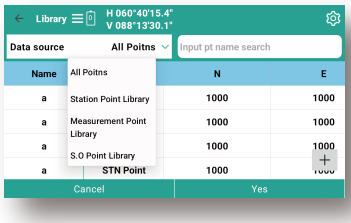
- 2", 2+2ppm accuracy
- 1000m non-prism range
- Color and touch screen
- Hotkeys for quick access
- Multiple functional keys
- Guide light for easier stake out
- Android 14 OS





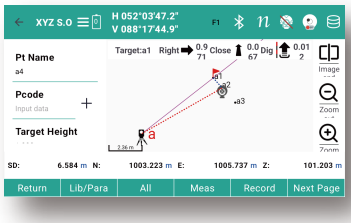
All-In-One Workflow
Covering Every Core Need

Built-in programs for data collection, stakeout, COGO, and road design deliver a complete workflow from start to the end.



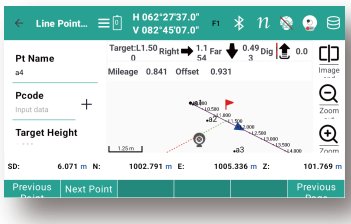
Professional Database
Smarter Data Management

Five dedicated databases - Points, Stakeout, Stations, Lines, and Curves — keep all your data clear, well-organized, and easy to retrieve.



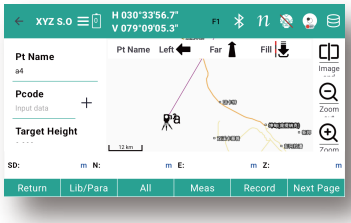
Real-Time Graphic Display
What You See Is What You Measure

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



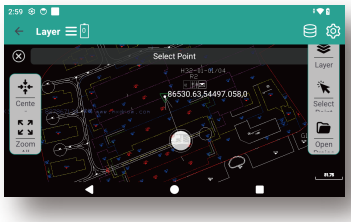
CAD Stakeout Onboard
Seamless Design-To-Field Integration

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



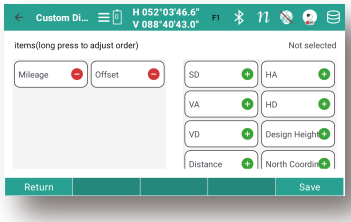
Line & Curve Stakeout
Precision With Graphic Guidance

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



Advanced Road Program

Supports both Element and Intersection methods, covering straight and curved segments for municipal or highway projects.



Custom Display Options
Focus On What Matters Most

Highlight only key elements such as deviation, distance, or elevation—hide the rest to stay focused and efficient.

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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