

AXIS 4

STEC

Mechanical Total Station

2”
2+2ppm
1500/2000m Non-prism
Auto Instrument Height
4-Inch Color & Touch Screen
Flexible Data Transfer



FAST AND ACCURATE EDM

AXIS 4 features ultra-fast EDM with 2”, 2mm+2ppm accuracy, and up to 2.0 km non-prism range.

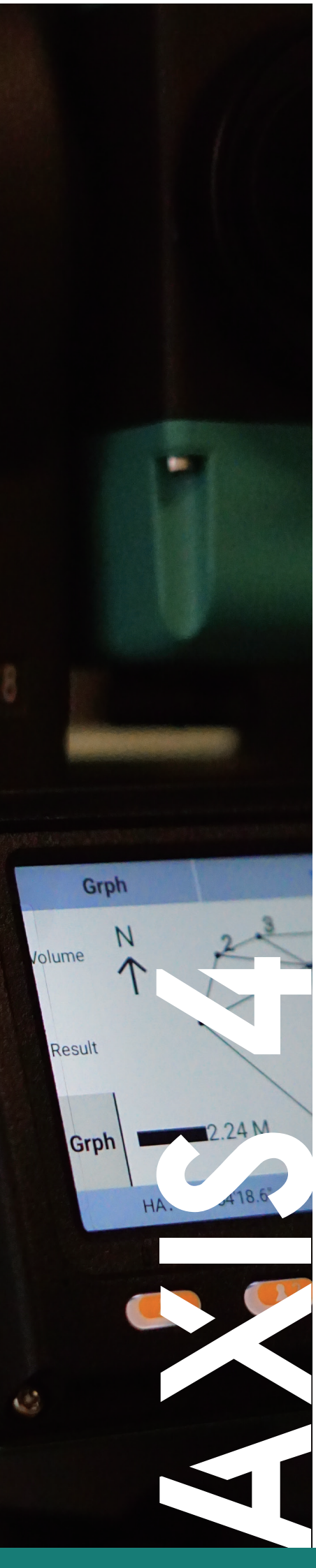
SIMPLIFYING SETUP WITH AUTO INSTRUMENT HEIGHT

Measure the instrument height by only one button. Less fatigue and fewer mistakes than manual reading.

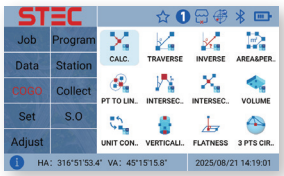
DATA TRANSFER IS EASIER THAN EVER

You can transfer the data by Bluetooth, USB flash disk, cable, WLAN or even by mails, in any place, under any situations.

- 2”, 2+2ppm accuracy
- 1500m/2000m non-prism range
- Color and touch screen
- Optional user keys
- Guide light for easier stake out
- Auto instrument height

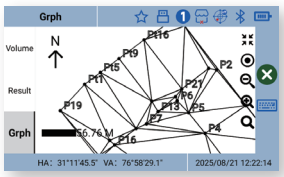


POWERFUL ONBOARD PROGRAMS



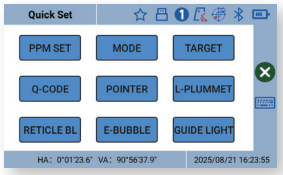
Versatile Programs

AXIS 4 offers a wide range of functions, with iconic display, including COGO calculations, Reference Line Stakeout, Point-to-Line, Resection, and more.



Graphic Displays

Turn every measurement into a sketch — points connect automatically as you work.



Star Key and User Keys

With Star Key and customizable User Key, you can access your favorite functions faster and work more efficiently.

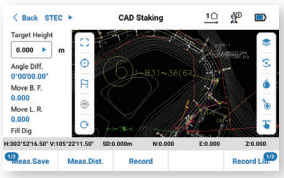


A User-friendly Status Bar

From any interface, you can easily view the current HA and VA, switch the measurement modes, and access other key functions.

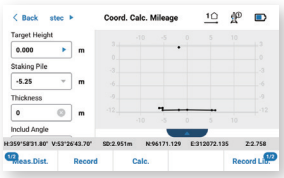
EXTENDED APPLICATIONS

Connect AXIS 4 in any time to obtain real-time data.
Accessing powerful functions such as road stakeout, CAD stakeout, cross-section measurement, bridge stakeout, in any where.



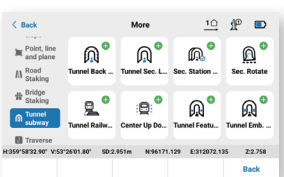
CAD Stakeout

Easily import CAD drawings and perform accurate stakeout directly in the field.Supports points, lines, and surfaces for fast and reliable layout.



Road, Bridge and Tunnel

Accurately calculate design coordinates for road center and side stakes, bridge pier structures, and tunnel alignments, providing precise and efficient guidance throughout construction.



Traverse

Quickly establish control networks and precise point positions through connected angle and distance measurements.

SPECIFICATIONS

TELESCOPIC	
Length	150mm
Diameter	Telescopic: 40mm; EMD: 45mm
Magnification	30x
Image	Erect
Field of View	1°30′
Resolving Power	3″
Minimum Focus	1.2m

DISTANCE	
Single Prism Range	5,000m
Accuracy	AXIS 4/4L: ±(2mm+2mm*D)m.s.e
	AXIS 4P: ±(1mm+1mm*D)m.s.e
Non-prism Range	AXIS 4: 1,500m
	AXIS 4L: 2,000m
	AXIS 4P: 1,000m
Accuracy	±(3mm+2mm*D)m.s.e
Measuring Time	Fine: 0.3s; Normal: 0.2s
Meteorologic Correction	Auto Sensor
Prism Constant	Manual

ANGLE	
Accuracy	AXIS 4/4L: 2″
	AXIS 4P: 1″
Method	Absolute Encoding
Detecting System	AXIS 4/4L: dual;
	AXIS 4P: quadruple
Minimum Reading	0.1″/1″
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horizontal: 0°
Unit	360°/400gon/6400mil

DISPLAY	
Display Unit	Graphic, 800*400, 4-inch color touch LCD
No. of Displays	2
Keyboard	Alphanumeric, soft keyboard

GUIDE LIGHT	
Type	Red+green flashing LEDs
Working Range	150m

PLUMMET - AutoHI Laser Plummet (AXIS 4L/4P)	
Type	Class II red laser
Measuring Range	0.6-2.0m
Minimum Reading	1mm
Deviation	0.6mm @ 1.5m height
Spot Diameter	1.5mm @ 1.5m height

TILT CORRECTION	
Tilt Sensor	Dual axis
Method	Liquid electric
Range	6′
Resolution	1″

LEVEL	
Plate Level	30″/2mm
Circular Level	8′/2mm

DATA INTERFACE	
Internal Memory	32GB
Data Interface	USB2.0, MicroUSB, RS-232
Wireless	Bluetooth 2.0/4.2, Wi-Fi, SIM card

GENERAL	
Quick-meas Button	Yes
Weight	6kg
Dimension	353 (H) * 206 (L) * 200 (W) mm
Operating Temperature	-20°C to 50°C
Battery	Li-on battery, 7.4V, 5000mAh
Water & Dust Proof	IP55
Working Duration	10h

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