



≡ **AXIS 3**

STEC

Mechanical Total Station

2"

2+2ppm

1500m Non-Prism

Color & Touch Screen

Auto Instrument Height

MSR1/MSR2 Mode



FAST AND ACCURATE EDM

AXIS 3 features ultra-fast EDM with 2", 2mm+2ppm accuracy, and up to 1500m 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. Not necessary to bring any accessories, like tape.

SMART, INTUITIVE, READY FOR ANY JOB SITE

Combined with the dual-side color and touch screens, ergonomic keypads, AXIS 3 is a highly capable total station which has intuitive onboard software, also convenient and portable for all occasions.

- ▶ 2", 2+2ppm accuracy
- ▶ 1500m non-prism range
- ▶ Color and touch screen
- ▶ MSR1/MSR2 for different configurations
- ▶ Star key & hotkeys
- ▶ Guide light for easier stake out
- ▶ Auto instrument height

POWERFUL ONBOARD PROGRAMS

Resection	123		
Pt1	13		
Tgt Ht	0.000	m	
HA	11°47'23"		
HD	2.647	m	
SD	3.223	m	
Mea.	Mea.	OK	

Versatile Onboard Programs

The onboard programs provide functions like resection, height transfer, offsets, stake out, reference line, etc.

Hot Key	
1.Target Ht	
2.T&P Correction	
3.Target	
4.Note	
Back	

Configurable hot-keys and Shortcuts

Specific functions can be assigned to HOT key for quick access.

Quick Settings	
1.E bubble	6.Power
2.L-Pointer	7.Sound
3.Plummet	8.Setting
4.Bluetooth	9.Guide Light
5.PPM set	10.MIN Unit
Back	Time Info

Common operations — like e-bubble, guide light, laser pointer, settings and adjustment are easy to access from the basic measurement page.

Mode Setting	
Target	Non-prism
Constant	0 mm
Mode	Single
Record	Auto
Back	OK

MSR1/MSR2 for Different Measure Mode

MSR1 and MSR2 allow two different configurations, instantly activated by a single button press.

Code data	
01 ROAD	
02 STN	
03 BD	
04 LAMP	
Delete	Edit New Find

Saving Time by Quick Code and Auto Instrument Height
Quick Code allows for faster operation by minimizing manual input.

Save	123		
PtN	STEC1		
Code			
Inst.Ht	0.000	m	
Cancel	Mea.HT	OK	

Automatically calculates the height of the instrument from the ground to benchmark, reducing manual error and improving setup accuracy in every tasks.

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

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	Graphic, 400*320, 3-inch color touch LCD
No. of Displays	2
Keyboard	Alphanumeric

GUIDE LIGHT

Type	Red+green flashing LEDs
Working Range	150m

PLUMMET - AutoHI Laser Plummet

Type	Class II red laser
Measuring Range	0.6-3.0m
Minimum Reading	1mm
Distance Accuracy	3mm
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

Data Interface	USB 2.0
Wireless	Bluetooth 2.1

GENERAL

Quick-meas Button	Yes
Weight	5.4kg
Dimension	353 (H) * 206 (L) * 200 (W) mm
Operating Temperature	-20°C to 50°C
Battery	Li-on battery, 7.4V, 3000mAh
Water & Dust Proof	IP55
Working Duration	12h



GUANGZHOU STAR INFORMATION TECHNOLOGY CO., LTD.

Add: 201, Unit 3, Building 2, Yunsheng Science Park, No. 11 Guangpu Middle Road, Huangpu District, Guangzhou, 510663 China
Email: sales@stecprecision.com support@stecprecision.com