

MANUAL TOTAL STATION

AXIS 1



Features the powerful application package, intuitively workflow on a large, high-resolution display, and the 16 hours+ battery life, you will have an excellent experience when working on site with STEC AXIS1 total station.

More information, less fatigue and fewer mistakes.



Trusted Measurement

1,500m NP Range
2" Angular Accuracy
2+2ppm Distance



Efficient Operation

User-Defined Keys
Shortcuts
Quick-Measure Button



Guide Light

Extremely visible
Boosts your working
efficiency on site



Larger Screen

Clear and sharp LCD
with 8 lines display
shows more information

SPECIFICATIONS

TELESCOPIC

Length	154mm
Diameter	Telescopic: 45mm; EMD: 50mm
Magnification	30x
Image	Erect
Field of View	1°30'
Resolving Power	3"
Minimum Focus	1.5m

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	1"/5"/10"
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horizontal: 0°
Unit	360°/400gon/6400mil

DISPLAY

Display Unit	3.1 inches with backlight, 8 lines
No. of Displays	2
Keyboard	Alphanumeric

GUIDE LIGHT

Type	Red+yellow flashing LED
Working Range	150m

PLUMMET - LASER

Type	Class II red laser
Accuracy	<0.4mm @ 1.5m height
Spot Diameter	<1.5mm @ 1.5m height
	- OPTICAL *optional
Image	Erect
Magnification	3X
Focusing Range	Minimum 0.3m
Field of View	5°

TILT CORRECTION

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

LEVEL

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

DATA INTERFACE

Internal Memory	> 10,000 points
Data Interface	USB2.0
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	16h