MANUAL TOTAL STATION

AXIS 3



Combined with a wider color and touch screen, user-friendly interface, AutoHI plummet, AXIS 3 is a highly capable total station which has intuitive onboard software, also convenient and portable for all occasions.

Trusted Measurement

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

Efficient Operation

User-Defined MSR1/MSR2 Shortcuts
Quick-Measure Button

AutoHI

Measure the instrument height from advanced laser plummet.

Long Duration

Smart Battery Manager
3,000mAh Battery
16h working time

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 | 2,000m (AXIS 3L)
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°; Horzontal: 0°
Unit	360°/400gon/6400mil

DISPLAY	
Display Unit	Graphic, 640*320 color touch LCD
No. of Displays	2
Keyboard	Alphanumeric

GUIDE LIGHT	
Type	Red+yellow flashing LEDs
Wokring Range	150m

PLUMMET - AutoHI Laser Plummet	
Type	Class II red laser
Measuring Range	0.6-2.0m
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	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	12h

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