

MANUAL TOTAL STATION

AXIS 4



Featured with a wider color and touch screen, the next generation of total station AXIS 4 is coming with the new-designed onboard system. It is the perfect choice that boosts your daily work with easy-to-use, highly productive and extremely powerful programs, which is portable for all occasions.



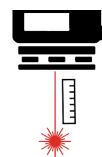
Orientation Diagram

Strong graphical capability allows viewing orientation diagram after each measure.



Trusted Measurement

1"/2" Angle Accuracy
1.5km/2km NP Range
Stable. Reliable.



AutoHI

Measure the instrument height from advanced laser plummet.



Long Duration

Smart Battery Manager
3,900mAh Battery
12h 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	AXIS 4/4L: $\pm(2\text{mm}+2\text{mm}*D)\text{m.s.e}$ AXIS 4P: $\pm(1\text{mm}+1\text{mm}*D)\text{m.s.e}$
Non-prism Range	AXIS 4: 1,500m AXIS 4L: 2,000m AXIS 4P: 1,000m
Accuracy	$\pm(3\text{mm}+2\text{mm}*D)\text{m.s.e}$
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: H: dual; V: dual AXIS 4P: H: quadruple; V: quadruple
Minimum Reading	1"/5"/10"
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horizontal: 0°
Unit	360°/400gon/6400mil

DISPLAY

Display Unit	4" color touch LCD
No. of Displays	2
Keyboard	Alphanumeric, soft keyboard

GUIDE LIGHT

Type	Red+yellow 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
Distance Accuracy	3mm
Deviation	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

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, 3900mAh
Water & Dust Proof	IP55
Working Duration	10h