

ROBOTIC TOTAL STATION**AXIS10**

Employing the most advance and powerful servo - torque motor - in industry, **AXIS10** gives more possibilities from monitoring to one-man survey.

**Electromechanical
Motor**

provides accurate and efficient workflow with higher mobility.

**Trusted Measurement**

0.5/1" Angle Accuracy
1,000m NP Range
Stable. Reliable.

xTrak**Prism Find & Follow**

1000m prism recognize
300m prism scan
60km/h @100m tracking speed

**One-man Survey**

500m long range Bluetooth connection for One-man Survey.

SPECIFICATIONS

SYSTEM

OS	Android 9.0
Processor	Qualcomm Snapdragon MSM8953
Internal Memory	RAM 3GB, ROM 32GB

TELESCOPIC

Length	164.5mm
Diameter	Telescopic: 45mm; EDM: 47mm
Magnification	30x
Image	Erect
Field of View	1°30'
Resolving Power	3"
Minimum Focus	1.5m

DISTANCE

Single Prism Range	6,000m
Accuracy	$\pm(1\text{mm}+1\text{mm}*D)\text{m.s.e}$
Non-prism Range	1,000m
Accuracy	$\pm(3\text{mm}+2\text{mm}*D)\text{m.s.e}$
Measuring Time - Prism	Fine: <0.7s; Tracking: <0.3s
- Non-P	<600m: 0.5-3s; >600m: max.10s
PPM Correction	Auto Sensor
Prism Constant	Manual

ANGLE

Accuracy	0.5"/1"
Method	Absolute Encoding
Detecting System	H: quadruple; V: quadruple
Minimum Reading	0.1"
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horizontal: 0°
Unit	360°/400gon/6400mil

DISPLAY

Display Unit	6" color and touch LCD
No. of Displays	2

PLUMMET

Type	Laser, Class II <0.4mm
Deviation	@ 1.5m height <2.0mm @ 1.5m height

xTrak MOTORIZATION

Type	Torque motor
Maximum Speed	180°/s
Recognize	
Working Range	1.5-1000m
Searching Time	5s
Field of View	1.2°
scAn	
Range	1.5-300m
Typical Scanning Time	<15s
Field of View	V: 20°, H: 360°
lock	
Tracking speed	60km/h at 100m

COMPENSATOR

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

LEVEL

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

COMMUNICATION

I/O Interfaces	RS232, USB, MicroUSB
Bluetooth	Bluetooth 4.0
WLAN	Dual-band 8.2.11/a/b/g/n
Microphone/Speaker	Yes

GENERAL

Quick-meas Button	Yes
Weight	9.5kg
Dimension	430 (H) * 255 (L) * 235 (W) mm
Operating Temperature	-20°C to 50°C
Battery	Li-on battery, 14.4V, 6400mAh
Water & Dust Proof	IP66
Working Duration	8h



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