

SUR WAY



X9

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Realtime Location Plan
Strong graphical capability
allows viewing location plan
after each measure.



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



AutoHI
Measure the instrument
height from advance
laser plummet.



Android 9
Easy and smooth UI
Google Service
Internet Connection

ANDROID TOTAL STATION

SURWAY X9

- Android 9.0 OS
- RAM3GB,ROM 32GB
- 5 inc. Color Touch LCD
- Auto Height
- USB/MicroUSB/RS232
- Bluetooth/Sim Card and WIFI

- Angle Accuracy 2"
- 2 Displays
- 5,000 m. With Single Prism
- 1,500m. With Non-Prism
- Guide Light 150m.
- Laser Plummet
- Operation Time Up to 10h



SPECIFICATIONS

SYSTEM

OS	Android 9.0
Processor	MT6735
Internal Memory	RAM 3GB, ROM 32GB

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	X 9/9L: $\pm(2\text{mm}+2\text{mm}*D)\text{m.s.e}$ X 9P: $\pm(1\text{mm}+1\text{mm}*D)\text{m.s.e}$
Non-prism Range	X 9: 1,500m X 9L: 2,000m X 9P: 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	X 9/9L: 2" X 9P/9i: 1"
Method	Absolute Encoding
Detecting System	X 9/9L: H: dual; V: dual X 9P: 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	5" color touch LCD
No. of Displays	2
Buttons	2 volume buttons, 1 power button on each display

GUIDE LIGHT

Type	Red+yellow flashing LEDs
Working Range	150m

LASER PLUMMET - AutoHI

Available on X 9L/9P	
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

Data Interface	USB2.0, MicroUSB, RS-232
Wireless	Bluetooth 2.0/4.2, SIM card, Wi-Fi

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, 5,000mAh
Water & Dust Proof	IP55
Working Duration	10h



บริษัท เอส.ดี.เอ็ม. จำกัด

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