

TOTAL STATION

RNS



SYSTEM

Processor	1.5GHz, 8 cores
Internal Memory	RAM 3GB, ROM4GB

TELESCOPIC

Length	154mm
Diameter	Telescopic: 5mm; EMD: 50mm
Magnification	30x
Image	Erect
Field of View	1°:26'
Resolving Power	2.5"
Minimum Focus	1m
Recticle	Illuminable 4 grades

DISTANCE

Single Prism Range	5,000m
Accuracy	±(2mm+2mm*D)m.s.e
Non-prism Range	600m
Accuracy	±(3mm+2mm*D)m.s.e
Measuring Time	Fine: 0.1s; Normal: 0.2s
PPM Correction	Manual
Prism Constant	Manual

ANGLE

Accuracy	1" / 2"
Method	Absolute Encoding
Detecting System	H: dual; V: dual
Minimum Reading	0.1"/1"/5"/10"
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horizontal: 0°
Unit	360°/400gon/6400mil

DISPLAY

Display Unit	TFT LCD, 720*1280, color touch screen
No. of Displays	2
Keyboard	Numeric

PLUMMET

Type	Laser/optical
Deviation	1.5mm @ 1.5m height
Wavelength	630-670nm
Laser Class	Class II / IEC60825-1
Laser Power	<0.4mW

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 Micro SIM USB Type-C (OTG) MicroSD
Bluetooth	Bluetooth 4.0
WLAN	Dual-band 8.2.11/a/b/g/n
Microphone/Speaker	Yes

GENERAL

System	Linux
Quick-meas Button	Yes
Weight	5.2 kg
Dimension	348 (H) * 183 (L): 181 (W) mm
Operating Temperature	-20°C to 60°C
Battery	Li-on battery, 7.4V, 3100mAh
Water & Dust Proof	IP66
Working Duration	16h

ITEM LIST

Carrying case *1	Tool kit *1
Total station *1	Reflecting sheet *1
Battery *2	Quick Guide *1
Type-C to USB OTG cable *1	Charger & adapter *1
Type-C data cable *1	

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