

N1 Series

Android Total Station

SPECIFICATIONS		
Distance Measurement with Reflector	Range *1	5000m
	Accuracy	±(2+2ppmxD)mm
	Measure Interval	Fine: 0.3s, Tracking: 0.1s
Distance Measurement without Reflector	Range *2	800/1500/2000m Optional
	Accuracy	±(3+2ppmxD)mm
	Measure Interval	0.3-3s
Angle Measurement	Accuracy	2"
	Measure Method (HZ/V)	Absolute Continuous, Diametrical
	Diameter of Encoder Disk	79mm
	Display Resolution	0.1"
	Compensation	Liquid, Dual Axis Compensation
	Compensator Setting Accuracy	1"
	Compensator Range	±4'
Telescope	Image	Erect
	Tube Length	154mm
	Effective Aperture	45mm (EDM:50mm)
	Magnification	30x
	Resolving Power	3"
	Field of View	1°30"
	Focusing Range	1.2m
	Reticle	Illuminated, 4 Brightness Level
Vial	Plate Vial	30"/2mm
	Circular Vial	8'/2mm
Laser Plummet (Default)	Type	Laser Point, 4 Brightness Level
	Accuracy	±1.5mm at 1.5M Instrument Height
	Wavelength	630-670nm
	Laser Class	Class 2 /IEC60825-1
	Laser Power	<0.4mW
Optical Plummet (Optional)	Image	Erect
	Magnification	3x
	Focusing Range	0.5m
	Field of View	5"
	Accuracy	±1.5mm at 1.5M Instrument Height
System Config	Operating System	Android 6.0
	Processor	MT6753
	Internal Memory	RAM: 3GB; ROM: 32GB
Communication	Interfaces	- Serial Port (6-Pin)
		- Micro SIM
		- USB Type C (OTG)
		- TF Card
	Network	2G 900/1800
		3G 2100/900 CDMA B/C TDSCDMA A/F
		4G LTE band1/3/7/38/39/40/41
Bluetooth	Bluetooth 4.0	
WLAN	Dual-Band Single Stream 802.11 a/b/g/n RF for Data Link	
Microphone / Speaker	Available	
Display	Type	TFT LCD Screen, Graphics, 720*1280
Battery	Type	Lithium-Ion, 7.4V
	Operating Time	8 Hours
Dimension	Size	200mm*170mm*350mm
	Weight	5.7kgs
Environmental	Temperature Range (Operation)	-20°C--+50°C
	Protection	IP55

*1: Good conditions (good visibility approx.40km, overcast, twilight)

*2: White objects with high reflectivity (KGC 90%)

Note: all information above is subject to change without any prior notice.



- Android 6.0 O.S
- Up to 2000m Reflectorless EDM
- Large High-resolution Display
- Cable-free Connection by Bluetooth
- Intuitive On-board Software - Survey Star & Map Star

