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 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	- Micro SIM
		- USB Type C (OTG)
		- TF Card
	Network	2G 900/1800
		3G 2100/900 CDMA BC0 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.

SOUTH
Target your success
SOUTH SURVEYING & MAPPING TECHNOLOGY CO., LTD.
Add: South Geo-information Industrial Park, No.39 Si Cheng Rd, Guangzhou, China
http://www.southinstrument.com

SOUTH
Target your success

N1 Series

Android Total Station

- Android 6.0 O.S
- Up to 1500m Reflectorless EDM
- Large High-resolution Display
- Cable-free Connection by Bluetooth
- Intuitive On-board Software - *Survey Star & Map Star*

Version: N1 1.0

MEASURE FARTHER AND FASTER

World' First! Dual Laser EDM

Dual Laser EDM
- 1500m Non-prism
- Stronger return signal due to Its dual laser technology

Stable Measurement
- Accuracy: 2+2ppm
- Extremely fast (0.3s) speed under fine mode

Powerful Processor
- 8-Core processor, MT6753, boosts speed and responsiveness

Coaxial Laser Pointer
- Provided the precise guidance for target aiming

USB OTG, TF Card & Bluetooth
- Flexible transfer of data via PC or PDA

WLAN & 4G Module
- Quick access to Internet

5.0 Inch Color & Touch Screen
- Built-in high resolution display

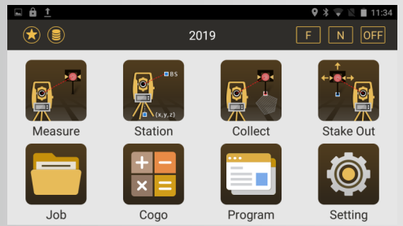
Numerical Keypad
- Faster and easier input of data

Intelligent O.S
- Android 6.0 O.S
- User friendliness
- Free SDK package for developer

Intuitive Software
- Graphic guidance, intuitive workflow
- Extra application software for mapping

WORK EFFICIENTLY

With N1 On-board Software



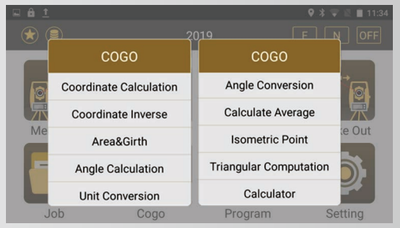
Iconic User Interface

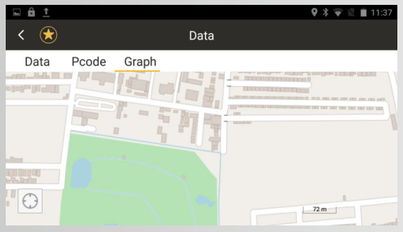
N1 helps you finish the job efficiently by graphical and iconic guidance. Benefit from the quick access of star-key and toolbar, you can set the PPM, reticle illumination, laser pointer and plummet or check the target, data or electronic sensor quickly in your job.

Powerful Applications on N1

Easy-to-use due to its high resolution color display and powerful applications. Including but not limited to:

- Resection
- Point to Line
- Survey & Code
- Stake Out
- Reference Line
- Offset
- MLM
- REM
- Radiation
- Area & Volume
- COGO
- Roads





Data Visualization with Maps

Data visualized due to the graphic display on its downloaded map. Measurement with 2D maps enables the flexible data-checking and job-planning based on the actual position.

Additional Application ►►►

Map Star

Integrated the function of digital mapping with measurement, Map Star simplified your outdoor job and realized the efficient mapping on mobile devices instead of PC.

- Graphic guidance with intuitive workflow
- Iconic UI for station set up, mapping, job management
- Toolbar to quickly access the instrument status
- Full library of code, included description and code number
- Draw the objects (points, lines or surfaces) and shapes (square, circle or curve) freely as your wish
- Mark the points with words, pictures or recorded voice
- Generate the digital map automatically, which will largely save your time with superior convenience