

NEW **N40 Series**
Graphic Total Station



Visualize Takes You Further

- Ultra-large, 4.0 inches color touch screen
- Auto instrument height & guide light *¹
- Camera for target aiming *²
- Ultra-visualized, boosts your efficiency with graph
- Ultra-flexible, send the data immediately by USB, Bluetooth or even mails



N40 SERIES

N40 Series Total Station

Combined with a wider screen, the new generation N40 total stations are coming with the new-designed onboard system. It is the perfect choice that boost your daily work with those easy-to-use, highly productive and extremely powerful program, which portable for all occasions.

Ultra-Fast and Advanced Accuracy

- 1" and 2" angle accuracy.
- Fast (0.3s) and accurate (1+1ppm/2+2ppm) for distance.

Ultra-Durable and Powerful EDM

- Long-range prism (5000m) and non-prism (1500m) measurements.
- Optimized EDM algorithm enables you to finish the job quick and stable.

Ultra-Visualized Display

- 4.0 inches colour touch screen, contains more information in one page.
- Dual face with backlight.
- Easier entry with numeric keys and fast navigation.
- Quick- access to start key, compensator and customized user keys, which can be opened in any time or in any page.

Ultra-Convenient with Guide Light, Camera and Auto Instrument Height

- Extremely visible, which largely enhanced your working efficiency.
- Extremely practical, to get the instrument height by a simple button press.

Ultra-Flexible Data Transfer

- Freely to transfer your data by internal memory, USB stick, Bluetooth and WLAN.
- Even you can send your data to your partner immediately by email/network when your job is finished on site.





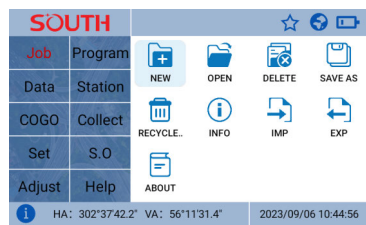
Fully-New Application Onboard

Intuitive onboard application on N40 Series, guided a fluent work flow for your job with easy-to-understand icons and graphics. The fully-new application includes stake out, extensions, COGO, roads, etc.



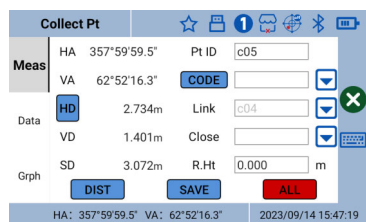
Main Menu

Modular and iconic interface design, boosts your efficiency with brilliant readability.



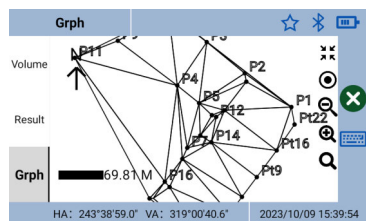
Basic Measurement

Settings like reflector height, instrument height, station and mode can be easily set in the basic measurement page.



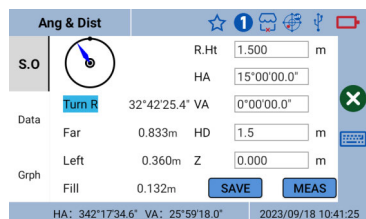
Graphic Displays

Each measured point can be linked automatically to generate a sketch intuitively and clearly.



Stake Out

Featured electronic compass, a complete solution for every type of stakeout is included in N40 series total station.



Easier Settings

The settings are hidden in the tool-bar of the screen. For example, you can click the logo to check the current job, or click the time and date to set the it immediately.

Quick Code

Codes are available to be recorded by the direct input, quick codes function or the code list. You can saving point descriptions efficiently and conveniently in the filed.

New COGO

The new Coordinated GeOmetry program on N40 series provides versatile functions like, inverse, traverse, area & girth, volume, intersections, flatness, verticality, 3 points circle, point to line distance and more...

Road

Design a road easily by elements. With N40 series total station, it's available using road program to stake out the road by chainage, increment and offset.

SPECIFICATIONS

		N41	N40
Angle Measurement			
Accuracy		1"	2"
Measure Method		Absolute Encoding Disk	
Diatmeter of Encoding Disk		79mm	
Detection Method		Horizontal: 4-path, Vertical: 4-path	
Angle Unit		360°/400gon/6400mil	
Horizontal 0/Vertical 0		V0/H0	
Distance Measurement			
Laser Class		Laser Class 3R①	
Wavelength		685nm	
Distance Unit		m/ft	
EDM System		Basic Frequency 70-150MHz	
Constant K		Auto Correction, K=0.14/0.2	
Prism Constant		Auto Correction	
Atmosperic Correction		Auto Correction	
Accuracy	Prism	1+1ppm	2+2ppm
	Reflective Sheet	3+2ppm	
	Reflectorless	3+2ppm③	
Measure Rang	Prism ②	Single: 4000m / Triple: 5000m	
	Prism Enhanced	Single: 5000m / Triple: 6000m	
	Reflectorless ③	1500m	
Meaasure Speed	Prism	Single <1.2s, Repeat <0.5s, Tracking <0.25s	
	Reflective Sheet	Single <1.0s, Repeat <0.5s, Tracking <0.25s	
	Reflectorless	Single: 0.5s-3s; Tracking: 0.25s-3s, max. 10s ⑤	
Telescope			
Image		Erect	
Magnification		30x	
Effective Aperture		45mm (DTM: 47mm)	
Resolution		3"	
Field of View		1°30'	
Minimum Focus		1.5m	
Tube Length		152mm	
Retical Illumination		Adjustable, 4 Levels	
Vial			
Plate Vial		30"/2mm	
Circular Vial		8'/2mm	
Compensator			
System		Dual-axis Liquid-electric Sensor	
Working Range		±6'	
Resolution		1"	
Plummet			
Laser Plummet	Laser Class	Class 2. Red Laser	
	Wavelength	635nm	
	Power	0.5mW	
	Brightness	Adjustable, 5 Levels	
Auto Height *1*2	Measure Range	0.5m-3m	
	Accuracy	±1.5mm@1.5m	
Optical Plummet	Image	-	Erect
	Magnifcation	-	3x
	Focusing Range	-	0.3m~∞
	Field of View	-	±4°
Guide Light*1			
Type		LED	
Wavelength		Red 635nm / Yellow 590nm	
Effective Distance		200m	
Camera*2			
Pixel		780,000	-
Focal Length		16mm	-
Sight of View		12.5*11.7 Degree	-
Refresh Rate		11 Frames/s	-
Depth of Field		2m-∞	-
Storage		Jpeg	-
Digital Zoom		1x, 2x, 3x	-
White Balance		Auto	-
Brightness		Auto	-
Display Unit & Keyboard			
Display Unit		4.0 Inches Color Touch Screen	
Resolution		800*480	
Backlight		Adjustable, 10 Levels	
Keyboard		26 Keys, numeric and functional	
Memory			
Internal Memory		16GB	
Data Transfer		USB 2.0 Type A (Max. 256GB) , Micro USB, RS-232, Bluetooth 2.0/4.2, Wi-Fi 802.11a/b/g	
Power Supply			
Type		LI-ION Rechargeable Battery	
Voltage		7.4V	
Capacity		3900mAh, 29Wh	
Working Time		10 Hours	
Charging Time		3 Hours	
Others			
Working Temperature		-20℃~ + 50℃	
Storage Temperature		-40℃~ + 70℃	
Size		206mm*200mm*353mm	
Weight		6kg	

STANDARD PACKING LIST

Main Unit	1x
Lens Cover	1x
Battery	2x
Charger & Adapter	1x
Reflective Sheet	1x
Rain Cover	1x
Micro USB Cable	1x
Tools Kit	1x
Carry Case	1x
Belt	2x

① EN60825-1: 2007 ② Good conditions: No haze, visibility about 40km. Overcast, no scintillation ③ With Kodak gray card white side (90%) reflective. Reflectorless range /accuracy may vary according to measuring objects, observation situations and environmental conditions ④ Range less than 200m. When the measure range is over 200m, the accuracy will be 5+2ppm. ⑤ Typical, under good conditions. Range less than 500m. It also depend on object surface. Maximum less than 10s

*1: Available on N41, N40X total station

*2: Available on N41I total station

OPTIONAL ACCESSORIES



ATS-2B Fiberglass Tripod
NLS-15 Prism Pole
TK21T Prism Set

You Local Authorized Dealer

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