

SPECIFICATIONS

		N6	
Distance Measurement			
Range	R10	R15	
Reflector	5000m*1		
Reflectorless*2	1000m	1500m	
Accuracy			
Reflector	±(2+2ppm x D)mm		
Reflectorless	±(3+2ppm x D)mm		
Measuring Interval			
With Reflector	Fine < 0.3s, Tracking < 0.1s		
Without Reflector	0.3s-3s*3		
Others			
EDM Type	Coaxial		
Minimum Reading	0.1mm		
Unit	Meter/ US.Feet/ Int.Feet/ Feet-inch		
Angle Measurement			
Accuracy	2"		
Reading System	Absolute Encoding		
Circle Diameter	79mm		
Minimum Increment	1"/5"		
Detection Method	Horizontal: Dual, Vertical: Dual		
Telescope			
Image	Erect		
Tube Length	154mm		
Effective Aperture	45mm (EDM:50MM)		
Magnification	30x		
Field of View	1°30'		
Minimum Focus Distance	1.2m		
Resolving Power	3"		
Tilt Sensor			
System	Dual Axis Liquid-Electric		
Working Range	±4'		
Accuracy	1"		
Communications			
Communication Ports Data Interface	USB Port USB Stick		
Plummet			
Laser Plummet	±1.5mm at 1.5m		
Optical Plummet (Optional)	Erect Image		
Magnification	3 x		
Focusing Range	0.5m~∞		
Field of View	5°		
Power			
Type	Rechargeable Lithium battery		
Voltage	7.4V DC, 3100mAh		
Operating Time	14 Hours		
Level Vials			
Plate Vial	30"/2mm		
Circular Vial	8"/2mm		
Others			
Dust and Water Protection	IP55		
Display	Dual Side, LCD 6 Lines		
Keyboard	Alphanumeric 24 Keys		
Operating Temperature	-20°C ~ +50°C		
Atmosphere Correction	Manual Input, Auto Correction		
Earth Curvature Correction	Manual Input, Auto Correction		
Prism Constant	Manual Input, Auto Correction		
Dimension	190mm x 195mm x 335mm		
Weight (approx..)	5.5kg		

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

STANDARD PACKING LIST

Main unit	1x
Lens cover	1x
Battery holder	1x
Battery LB-01	2x
Tools pouch	1x
Plummet	1x
Manual	1x
Charger LC-10	1x
Reflective sheet	1x
Carry case	1x
Belt	2x

- *1. Good Conditions: good visibility about 20km, overcast, no scintillation.
 *2. Under Kodak Gray (90%). Measuring distance may vary depending on targets and the conditions.
 *3. Measuring time may vary depending on measure distance and conditions. For the initial measurement, it may take a longer time.
 *4. Battery life specification at 25°C . It might be shorter in low temperature or if the battery is old.

OPTIONAL ACCESSORIES



ATS-2 Wooden Tripod
 NLS-15 Prism Pole
 TK21T Prism Set

You Local Authorized Dealer

SOUTH
 Target your success

N6

Best-Selling Total Station



- 2" Accuracy
- Long-Range Prism (5000m) and Non-Prism (1000m) EDM
- Trigger Key, Hot key for faster operation
- Bigger internal memory, Save 96000 data block
- Longer operation Time up to 10 hours per battery

SOUTH
 Target your success

SOUTH SURVEYING & MAPPING TECHNOLOGY CO., LTD.

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Version: N6 1.0

What is new for N6

Outstanding Performance and Versatile Functions



Trigger Key

- Faster operation
- Trigger in all measurement surface



Easy Viewing Display

- 6-line with backlight on both faces.
- Easy-to-use 24-key pads with alphabet entry.



Relocated Tangent Screw

Lock and fine adjustment tangent screw



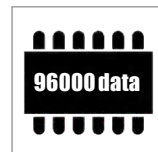
USB Flash Disk

USB disk for data import & export, more convenient and keep it safe



New Mainboard

- Processor upgrade to M7. More powerful process ability
- Lower consumption. Longer operation time up to 14hours by 1 battery



Bigger Memory

Up to save 96000 data blocks



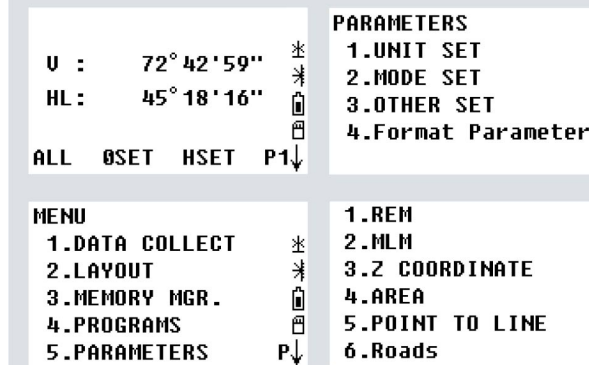
Easy-to-use Onboard System

New tool-bar design on the side of screen, which helps you check the status of your N6 Total Station in real-time.

Choose N6 to meet your topographic needs as a superior mates. It offers a clear-to-view onboard system by it's easy-to-use but powerful programs.

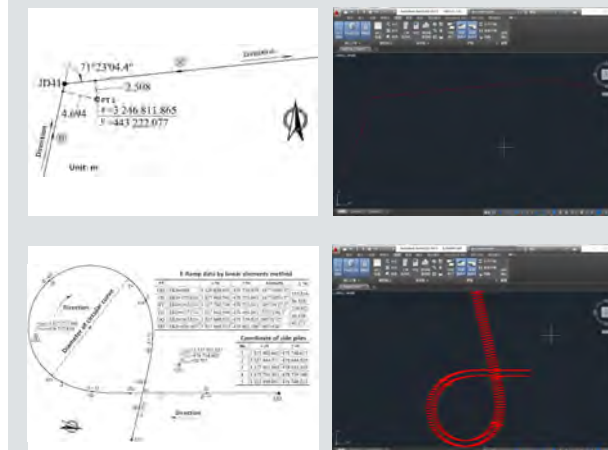
Such as:

- ▶ Offset: angle, distance, column offset
- ▶ Point to Line: to calculate the coordinate of occupied point based on a known point and line
- ▶ COGO: calculation of coordinate geometry



Optimized Road Program

The optimized road program offers a smart solution for road designing, editing and laying out. The new road program will calculate the horizontal and vertical curve in arbitrary geometric curved algorithm.



New Hot Key Functions

12 number key, 12 short path directly enter the application, less operation steps and higher efficiency.

Cable free data transfer work with transfer software, one key export to USB stick, generate TXT, CSV, DXF files.

7	STN Setup	8	BS by XYZ	9	BS by Angle
4	Resection	5	Create new job	6	Select XYZ call file
1	Memory manage	2	View meas file	3	View XYZ file
0	Stake Out	•	Tilt	-	Data

