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	USB Port	
Interface	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℃ ~ +50℃	
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	

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℃ . 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

Quality Civil Lab Instruments

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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
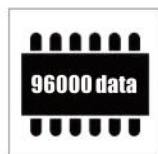Lock and fine adjustment tangent screw

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
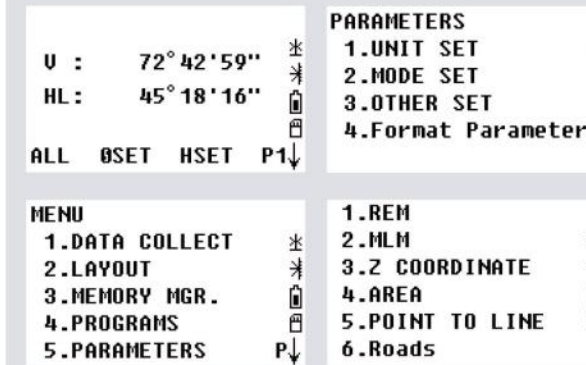Up to save 96000 data blocks

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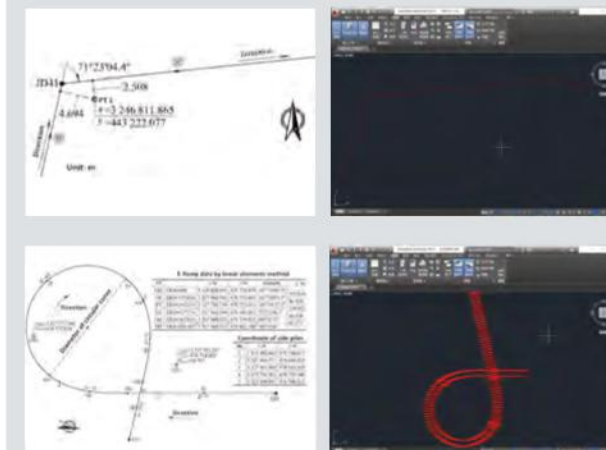
Such as:
- ▸ Offset: angle, distance, column offset
- ▸ Point to Line: to calculate the coordinate of occupied point based on a known point and line
- ▸ COGO: calculation of coordinate geometry

```
V :     72°42'59"          PARAMETERS
HL:     45°18'16"          1.UNIT SET
                           2.MODE SET
                           3.OTHER SET
                           4.Format Parameter
ALL  0SET  HSET  P1

MENU                       1.REM
1.DATA COLLECT             2.MLM
2.LAYOUT                   3.Z COORDINATE
3.MEMORY MGR.              4.AREA
4.PROGRAMS                 5.POINT TO LINE
5.PARAMETERS      P        6.Roads
```

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 mamage	2	View meas file	3	View XYZ file
0	Stake Out	.	Tilt	-	Data

TXT ▸▸▸

DXF ▸▸▸

CSV ▸▸▸