

SPECIFICATIONS

N6+	
Distance Measurement	
Reflector	5000m*1
Reflectorless*2	1000m
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	USB Port
Data Interface	USB Stick, Bluetooth
Effective Range of Bluetooth	10m
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	10 Hours*4
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

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



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

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

What is new for N6+

Outstanding Performance and Versatile Functions



New Battery Housing

- Easy to lock and release
- One hand operation



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



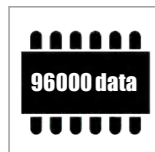
USB Flash Disk

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 10 hrs by 1 battery



Bigger Memory

Up to save 96000 data blocks



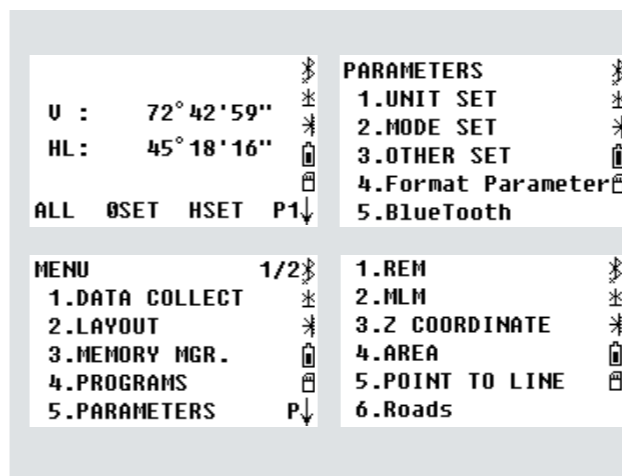
Easy-to-use Onboard System

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.

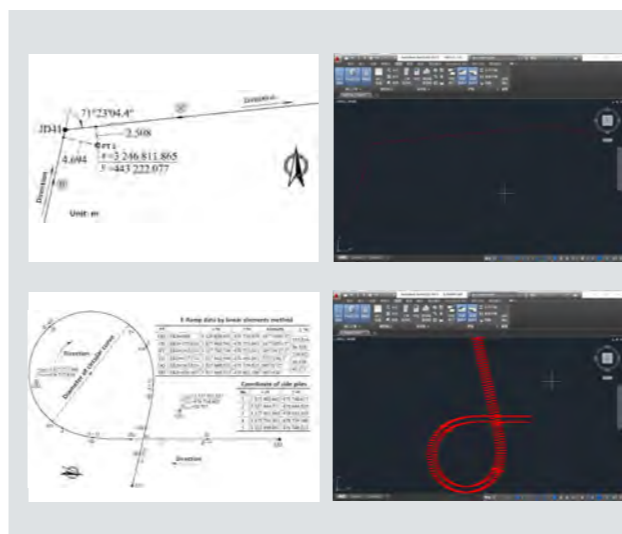
Such as:

- ▶ 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.

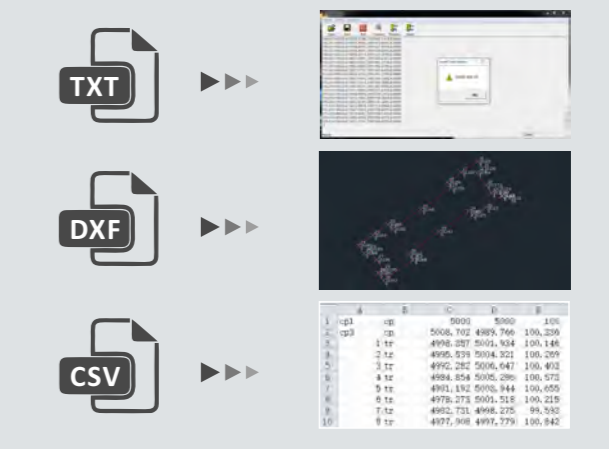


New Hot Key Functions and BT Data Transfer

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



Work on Data Collector

After added the Bluetooth module on N6, you will have more possibilities to extend the applications on Total Station. With open source commands, you are easy to establish the communications between the N6 and other software you wish to use.

