

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*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..) | 5.2kg | |

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



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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



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 14 hours per battery

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



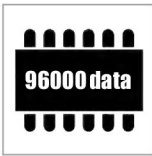
USB Flash Disk

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 14 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.

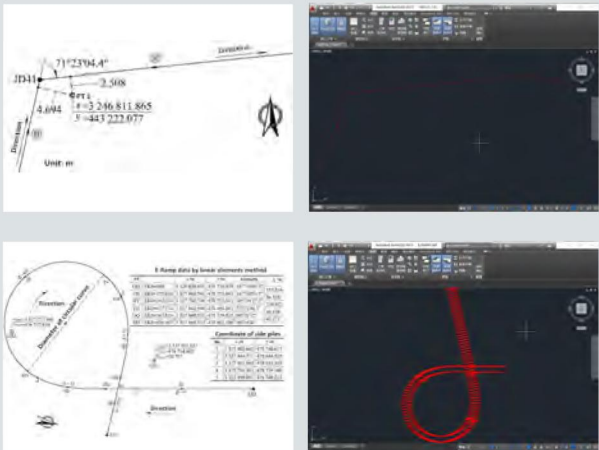
Such as:

- 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

| | | | |
|-------------------|--|--------------------|--|
| U : 72° 42' 59" | | PARAMETERS | |
| HL : 45° 18' 16" | | 1.UNIT SET | |
| ALL ØSET HSET P1↓ | | 2.MODE SET | |
| | | 3.OTHER SET | |
| | | 4.Format Parameter | |
| MENU | | 1.REM | |
| 1.DATA COLLECT | | 2.MLM | |
| 2.LAYOUT | | 3.2 COORDINATE | |
| 3.MEMORY MGR. | | 4.AREA | |
| 4.PROGRAMS | | 5.POINT TO LINE | |
| 5.PARAMETERS | | 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 manage | 2 View meas file | 3 View XYZ file |
| 0 Stake Out | • Tilt | - Data |

