

SPECIFICATION

| | NTS-352R | NTS-355R | NTS-355SR | |
|---|---|-------------|----------------|-------|
| Measuring Range (Under fair weather condition) | | | | |
| Range | 1P | 3.0km | 2.5km | 2.5km |
| | No prism | 100m | 100m | 100m |
| Digital Display | Maximum: 999999.999 m Minimum: 0.001m | | | |
| Accuracy | 1P: 2+2ppm No prism: 5+3ppm | | | |
| Measuring Time | Fine Mode:3s Tracking Mode:1s | | | |
| Atmospheric Correction | Automatic Correction by Inputting Parameter | | | |
| Prism Constant | 0mm / 30mm | | | |
| Angle Measurement | | | | |
| Measurement Method | Incremental Photoelectronic Encoding | | | |
| Diameter of The Raster Disk(Horizontal/ Vertical) | 79mm | | | |
| Minimum Reading | 1" / 5" Optional | | | |
| Accuracy | 2" | 5" | 5" | |
| Detection Method | Horizontal: Dual | | Vertical: Dual | |
| Telescope | | | | |
| Image | Erect | | | |
| Length | 154m m | | | |
| Effective Aperture | 45m m, (DTM: 50m m) | | | |
| Magnification | 30× | | | |
| Field of View | 1° 30' | | | |
| Resolving Power | 3" | | | |
| Minimum Focus | 1m | | | |
| Vertical Compensation | | | | |
| System | liquid-electric detection / Plate vial | | | |
| Working Range | ± 3' | | | |
| Accuracy | 1" | | | |
| Sensitivity of Vials | | | | |
| Plate Vial | 30" / 2m m | | | |
| Circular Vial | 8' / 2m m | | | |
| Optical Plummet | | | | |
| Image | Erect | | | |
| Magnification | 3× | | | |
| Focusing Range | 0.5m ~ ∞ | | | |
| Field of View | 5° | | | |
| Display | | | | |
| Type | Dual sides | Single side | | |
| Battery | | | | |
| Power Supply | Rechargeable Ni-H battery | | | |
| Voltage | 6VDC | | | |
| Operation Time | 8 hours | | | |
| Dimension & Weight | | | | |
| Dimension | 200×180×350 m | | | |
| Weight | 5.8kg | | | |

Specification Subject to Change Without Notice

Relative Accessories



Mini Prism System



Single Prism System



Tripod

Prism Pole & Prism System

SOUTH

**NO PRISM,
The Innovation of Surveying**

Measuring range without prism: 100m
Accuracy: 5+3ppm
Measuring range with prism: 3000m
Accuracy: 2+2ppm

NEW ARRIVAL

Reflectorless Total Station

NTS-350R Series

SOUTH SOUTH SURVEYING & MAPPING INSTRUMENT CO., LTD.

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MORE POWERFUL, MORE EFFECTIVE, MORE COMFORTABLE

Laser Distance Measurement

Electric wire Measurement

No worry about how to set up the prism, no need to use REM application. It is easy to get the data of electric wire.



Construction Measurement

Measure the corner and wall surface by yourself without setting the prism, the efficiency is improved.



Tunnel Measurement

Prisms are not necessary. The measuring point is visible, which makes point-layout easier and more convenient.

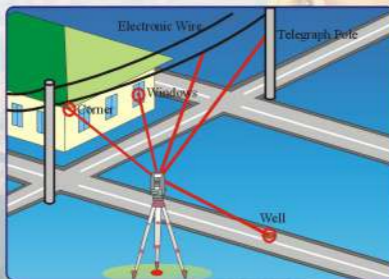


Dam Measurement

You don't have to take pains to go around and set prisms. The surveying work is easily finished.

House Measurement

Obtain the data directly, traditional steel ruler measurement is abandoned.

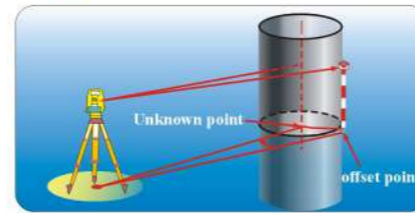


Cadastration Measurement

The corner, metope, windows, electrical wire, telegraph pole, road, well all can be measured by one person without prisms.

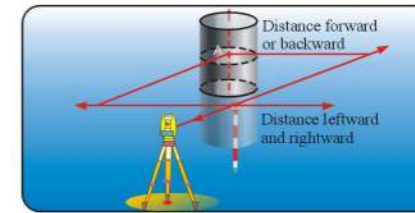
Classic Series + Reflectorless Technology = Perfect Combination

Angle Offset



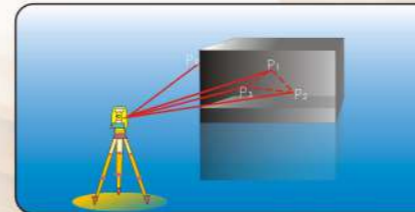
This mode can be used when the measuring point is difficult to set a prism such as the tree center.

Distance Offset



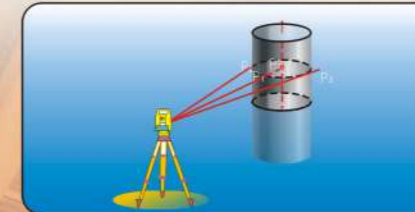
Calculate the position of target point by inputting the horizontal distance between target point and offset point including both forward or backward, leftward or rightward.

Plane Offset



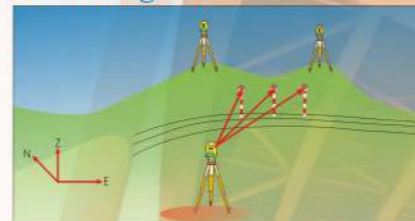
Calculate the unknown point, which cannot be measured directly such as the border of a plane.

Column Offset



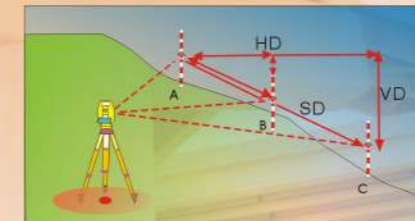
Calculate the distance, angle and coordinate of column center by inputting the distance and angle between point1 and point2 both on the surface of the plane.

3-D Coordinate Measurement & Staking-out



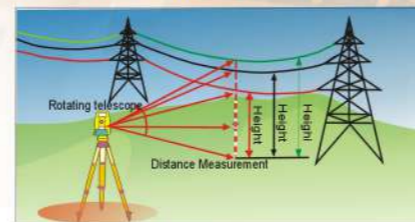
Measure and calculate 3-D coordinates, in N, E, Z format. Stake out according to the input coordinate value and indicate the position of staking-out point.

Missing Line Measurement (MLM)



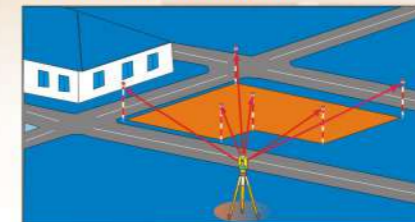
Automatically calculate the horizontal distance, slope distance and elevation difference between two target points.

Remote Elevation Measurement (REM)



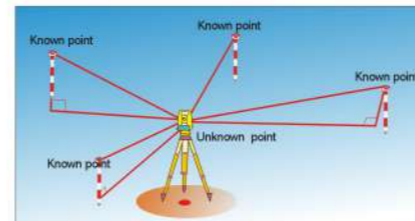
Directly obtain elevation of the point such as high-voltage wire at which setting the prism is impossible.

Area Measurement



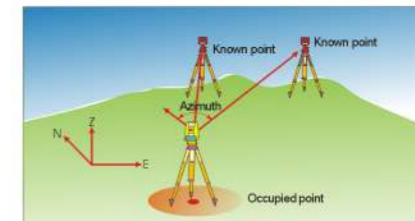
Calculate the area by using measured points and document data.

Elevation of Station Point



The height of station point can be obtained through measuring the height of several given points. (Max. 10 points).

Resection



Calculate the coordinate of the unknown point through measuring two or more known points.

