SOUTH
Target your success

NT-023

Multi-functional Theodolite

Features

- Disruptive Innovation in Theodolite
  300m Distance Measurement
- Supportable for Long-term Working
- Standard Laser Pointer
- Numeric keypad display unit
- 2.6 inches big screen
- Angle,Distance,Axes on board program

Recommend Accessories

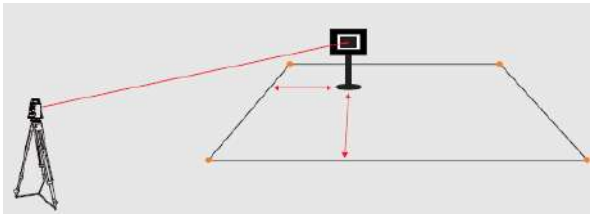

Aluminum Tripod: ATS-3


Prism Pole: NLS15


Prism Set: TK21T

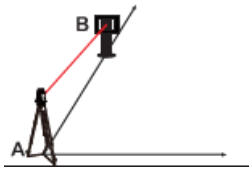
Software

Axes Stake Out

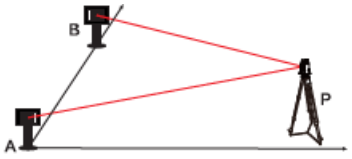


The building axes is the basis of constructions. You can choose the relative axes to stake out based on the points' position when doing the project. With this powerful Axes Stake Out function, NT-023 will help you find the stake out point precisely in an easier method.

Two Methods to Stake Out the Axes

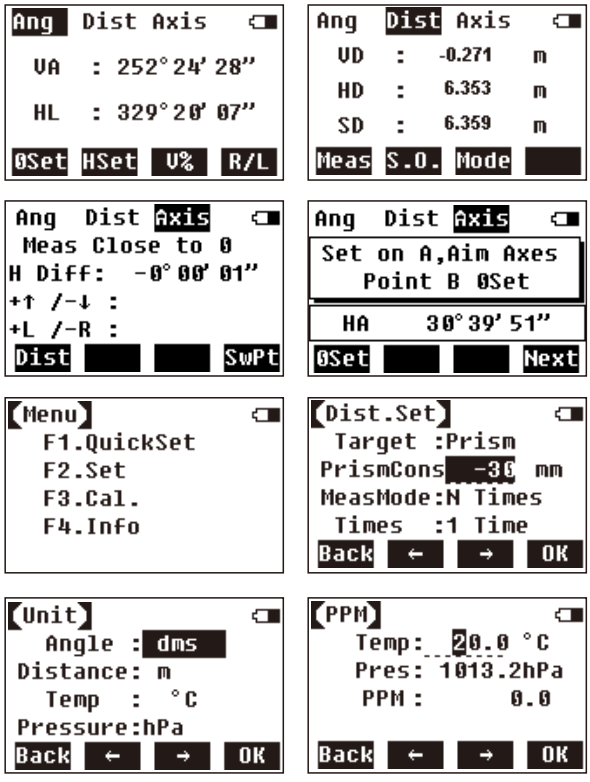


A: Occupied Pt
B: Target Pt
Set NT-023 on one end of the axes



P: Occupied Pt
A/B: The end of axes
Set NT-023 on an arbitrary point

Disruptive Innovations



300m distance measurement with Prism
Redefined the Theodolite by it's small size but strong performance

2.6 inches LCD Screen with high-capacity battery
Afford a better solution for outside surveying project.

Specification

Distance Measurement (Single Prism)
- Range: 300m
- Accuracy: ±(3mm+2ppm*D)
- Measure Time: Continuous: 0.35s, Single 1.5s
- Atmosphere Correction: Auto correction by input parameter
- Prism Constant: Auto correction by input parameter

Angle Measurement
- Measure Method: Absolute Encoder
- Diameter of Encoder Disk: 79mm
- Min. Display: 1"
- Accuracy: 2"
- Detection Method: Horizontal: Dual; Vertical: Dual

Telescope
- Image: Erect
- Magnification: 26.5x
- Effective Aperture: 40mm
- Resolving Power: 3"
- Field of View: 1°30'
- Min. Focus Range: 1.5m
- Multiple Constant: 100
- Additive Constant: 0
- Stadia Accuracy: ≤0.40%/L
- Tube Length: 155mm

Compensator
- Type: Single Axis
- Working Range: ±3'
- Accuracy: ±3"

Vial
- Plate Vial: 30"/2mm
- Circular Vial: 8'/2mm

Laser Tube
- Wave Length: 635±20nm
- Class II Laser
- Spot Diameter: ≤5mm/100m
- Axis Error: ≤10"

Laser Plummet
- Accuracy: ±1.5mm (@1.5m InsHt)
- Spot Diameter: ±2.5mm (@1.5m InsHt)
- Length: 635±20nm
- Class II Laser

Display Unit
- 2.6 inches, 160x96 dot
- 4 lines display

Power Supply
- Battery: Lithium rechargeable battery
- Voltage: 7.4V
- Continuous Working Hrs: 8 hrs

Environment
- Working Range: -20℃~50℃

Dimension
- Size: 165*160*340mm
- Weight: 4.7kg

SOUTH
Target your success

SOUTH SURVEYING & MAPPING TECHNOLOGY CO.,LTD.
Add: South Geo-information Industrial Park, No. 39 Si Cheng Road, Tian He IBD, Guangzhou 510663, China
Tel: +86-20-23380888 Fax: +86-20-23380800
E-mail: mail@southsurvey.com export@southsurvey.com impexp@southsurvey.com euoffice@southsurvey.com
http://www.southinstrument.com