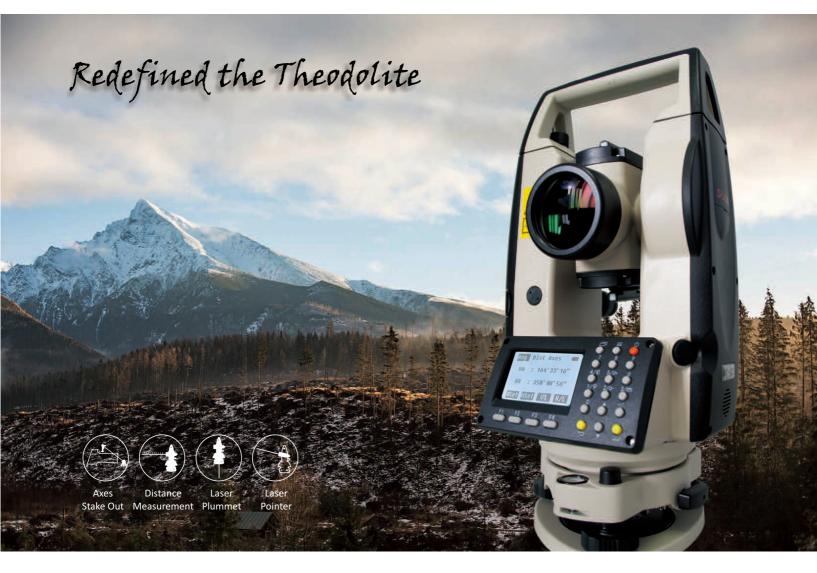


NT-023 Multi-functional Theodolite



- 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

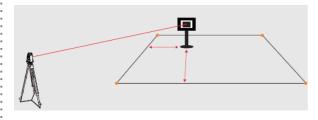


Aluminum Tripod: ATS-3

Prism Pole: NLS15 Prism Set: TK21T

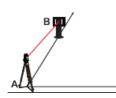
Software

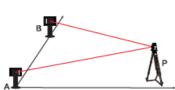
Axes Stake Out



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

•	
Ang Dist Axis 🛛 🗖	Ang Dist Axis 😋
UA : 252°24'28"	VD : -0.271 m
	HD : 6.353 m
HL : 329°20'07"	SD : 6.359 m
ØSet HSet V% R/L	Meas S.O. Mode
Ang Dist <mark>Axis</mark> 🗲	Ang Dist <mark>Axis</mark> 🗲
Meas Close to 0	Set on A,Aim Axes
H Diff: -0°00'01"	Point B ØSet
+↑ /-↓ : +L /-R :	HA 30° 39' 51"
Dist SwPt	ØSet Next
UTDC Switc	bole newe
(Menu) 🛥	Dist.Set 🛛 🗂
【Menu】	Target :Prism
	Target :Prism PrismCons -30 mm
F1.QuickSet F2.Set F3.Cal.	Target :Prism PrismCons <mark> -36</mark> mm MeasMode:N Times
F1.QuickSet F2.Set	Target :Prism PrismCons -30 mm MeasMode:N Times Times :1 Time
F1.QuickSet F2.Set F3.Cal.	Target :Prism PrismCons <mark> -36</mark> mm MeasMode:N Times
F1.QuickSet F2.Set F3.Cal. F4.Info	Target :Prism PrismCons -30 mm MeasMode:N Times Times :1 Time Back ← → OK
F1.QuickSet F2.Set F3.Cal. F4.Info (Unit) T Angle : dms	Target :Prism PrismCons -30 mm MeasMode:N Times Times :1 Time Back ← → OK [PPM] ← Temp: 20.0 °C
F1.QuickSet F2.Set F3.Cal. F4.Info (Unit) Angle : dms Distance: m	Target :Prism PrismCons -30 mm MeasMode:N Times Times :1 Time Back ← → OK (PPM) ← Temp: 20.0 °C Pres: 1013.2hPa
F1.QuickSet F2.Set F3.Cal. F4.Info (Unit) Angle : dms Distance: m Temp : °C	Target :Prism PrismCons -30 mm MeasMode:N Times Times :1 Time Back ← → OK [PPM] ← Temp: 20.0 °C
F1.QuickSet F2.Set F3.Cal. F4.Info (Unit) Angle : dms Distance: m Temp : °C Pressure:hPa	Target :Prism PrismCons -30 mm MeasMode:N Times Times :1 Time Back ← → OK (PPM) ← Temp: 20.0 °C Pres: 1013.2hPa PPM : 0.0
F1.QuickSet F2.Set F3.Cal. F4.Info (Unit) Angle : dms Distance: m Temp : °C	Target :Prism PrismCons -30 mm MeasMode:N Times Times :1 Time Back ← → OK (PPM) ← Temp: 20.0 °C Pres: 1013.2hPa





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.

Distance Measurement (Single Prism)

- Range: 300m

- Accuracy: \pm (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

- 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°C~50°C Dimension
- Size: 165*160*340mm
- Weight: 4.7kg

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