

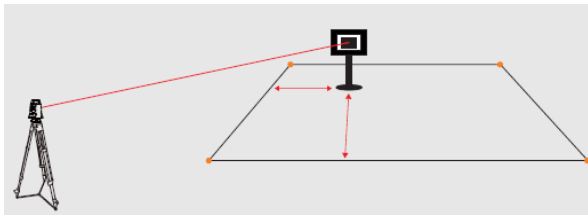
# Dis<sup>teo</sup> 23

More than a theodolite.



2" Angle Accuracy  
300m Distance Range with Prism  
Laser Pointer  
Distance/Axes Stake-out  
Alphanumeric Keyboard

## Stake-out



Setting out the axes is the primary task for construction. You can choose the relative axes to stake out based on the points' position. With this powerful program, Disteo 23 helps you to find the setting out point precisely in an easier way.

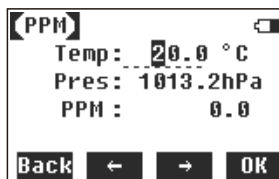
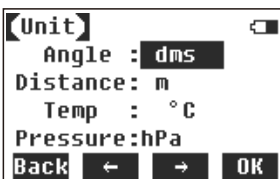
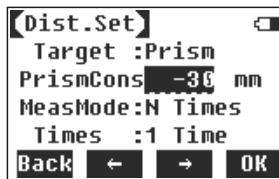
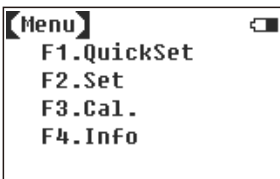
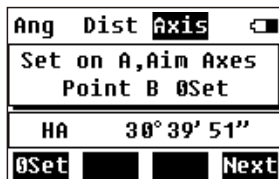
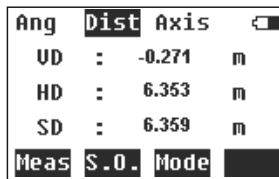
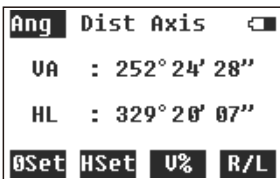


300m distance measurement with Prism, with 3mm+2ppm distance accuracy.



2.7 inches LCD Screen with Alphanumeric keyboard.

## Main Menu



## Specification

### Distance Measurement

- Range: 300m
- Accuracy:  $\pm(3\text{mm}+2\text{ppm}\cdot D)$
- Measure Time: Continuous: 0.35s, Fine: 1.5s
- Atmosphere Correction: Manual input, auto correct.
- Prism Constant: Manual input, auto correct.

### Angle Measurement

- Type: Absolute Encoding
- Min. Reading: 1"
- Accuracy: 2"
- Detection Method: Horizontal: Dual; Vertical: Dual

### Telescope

- Image: Erect
- Magnification: 30x
- Effective Aperture: 40mm
- Resolving Power: 3"
- Field of View: 1°30'
- Min. Focus: 1.5m
- Stadia Accuracy:  $\leq 0.40\%/L$
- 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:  $635\pm 20\text{nm}$
- Class II Laser
- Spot Diameter:  $\leq 5\text{mm}/100\text{m}$
- Axis Error:  $\leq 10''$

### Laser Plummet

- Accuracy: 31.5mm
- Spot Diameter: 32.5mm
- Length:  $635\pm 20\text{nm}$
- Class II Laser

### Display Unit

- 2.7 inches, 160x96 dot
- 4 lines display

### Power Supply

- Battery: Li-ion Rechargeable
- Voltage: 7.4V
- Working Hrs: 8 hrs

### Environment

- Working Range: -20°C - +50°C

### Dimension

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



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