

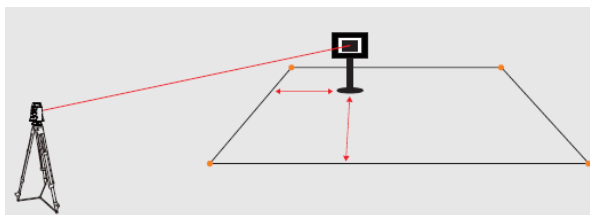
Dis^{te}o 23

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.

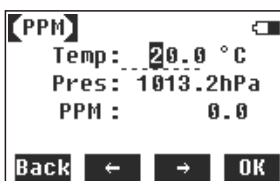
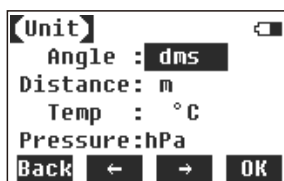
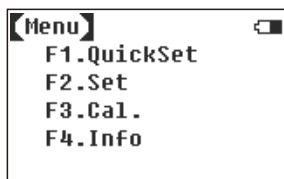
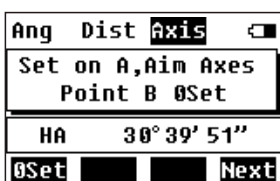
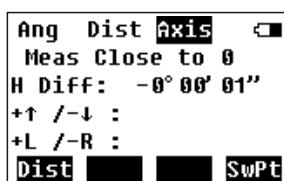
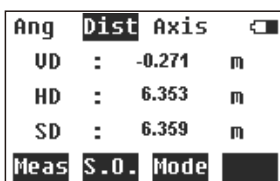
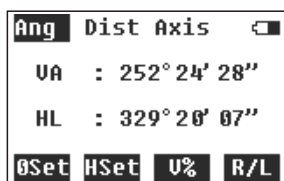


300m distance measurement with Prism, with 3mm+2ppm distance accuracy.



2.7 inches LCD Screen with Alphanumeric keyboard.

Main Menu



Specification

Distance Measurement

- Range: 300m
- Accuracy: $\pm(3\text{mm}+2\text{ppm}\times D)$
- 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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