

SDT2

Electronic Digital Theodolite



Building the Future with
**Accuracy
& Precision**

SDT2

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Data Specifications

Telescope

Image	Erect
Magnification	30x
Effective Aperture	47mm
Resolving Power	3.75"
Field of View	1°30' (26m/1000m)
Min. Focus	1.5m
Stadia Ratio	100
Tube Length	169mm

Angle Measurement

Method	Absolute Encoding
Diameter	79mm
Min. Reading	1", 5", 10"
Measuring Unit	360°, 400gon
Vertical Angle 0°	Zenith 0°, Horizontal 0°
Accuracy	2"

Vial

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

Compensator

Electronic Tilt Sensor	Vertical Compensation
Compensation Range	±3"
Resolving Power	6"

Display

Type	Dual Face LCD
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On-board Battery

Power Resource	Rechargeable Li-ion battery
Voltage	DC 7.4V
Operation Time	BDC 1600mAh(About 20 hours)

Laser

Length of the Wave	635nm
Power	10mW
Effective Range	150m
Position Error	≤5"
Power	DC 3.3V

General

Laser Plummet	Red laser, Class II
Operating Temperature	-20°C - 45°C
Dimension	180mm x 166mm x 355mm
Weight	6.5kg



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