

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 |
|------|---------------|

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 |



Headquarters:
Datavägen 21B
SE-436 32 Askim, Sweden
info@satlab.com.se

Regional Offices:
Warsaw, Poland
Jičín, Czech Republic
Ankara, Turkey
Scottsdale, USA
Singapore
Hong Kong
Dubai, UAE

www.satlab.com.se

