

# SLT 10 Total Station

## Specifications

<b>Angle Measurement (Hz/v)</b>	
Angle Measuring Principle	Absolute Encoding
Minimum Readout	1"
Accuracy	2"
<b>Distance Measurement (Prism Mode)</b>	
Single Prism <sup>1</sup> (General/good atmosphere)	5000m/6000m
Accuracy (Fine/Quick/Tracking)	2mm+2ppm
Measuring Time <sup>3</sup> (Repeat/Tracking)	0.5s/0.3s
<b>Reflectorless</b>	
Range <sup>2</sup> (The target is Kodak white board with reflect rate 90%)	1000m
Accuracy (Change according to the different reflector condition)	3mm+2ppm
Measuring Time <sup>3</sup>	Approx. 1s
<b>Telescope</b>	
Magnification	30x
Field of View	1°30'
Minimum Focusing Distance	1.5m
Reticle	Illuminated
<b>Tilt Sensor</b>	
System	Dual-axis liquid tilt sensor
Working Range	±3'
Accuracy	1"
<b>Communication</b>	
Internal Data Memory	Approx. 80,000 Points / Standard USB flash drive
Interface	Standard RS232, USB
Wireless Communication	Bluetooth
Data Format	ASCII
<b>Power Supply</b>	
Battery Type	Rechargeable high-energy lithium battery (Type-C direct charging)
Voltage/Capacity	7.4v, 3000mAh
Operating Time <sup>4</sup>	Optimal 36 hours (Continuous angle measurement every 30 seconds) / 18 hours (typical)
Measuring Times	Approx. 30000 times
<b>Other</b>	
Display	2.8 inch 240*320 pixel highlight color display
Keyboard	2 sides Alphanumeric backlit silicone keyboard, trigger key
<b>Plummet</b>	
Type	Laser point, 4 brightness levels adjustment , optical plummet (optional)
<b>Environmental</b>	
Operating Temperature	-20°C~50°C
Storage Temperature	-40°C~70°C
Temperature and air pressure input	Automatic sensor
Dust&Water Proof (IEC60529 Standard)	IP65

Reminders:

\*1. Good Conditions: good visibility of about 20km, the overcast sky without scintillation.

\*2. Under Kodak Gray (90%), measuring distance may vary according to targets and the conditions.

\*3. Measuring time may vary with measuring distance and conditions. For the initial measurement, it may take a longer time.

\*4. Battery life performs best at 25°C. It might be shorter in low temperature or if the battery is old.

# SLT10

## Total Station

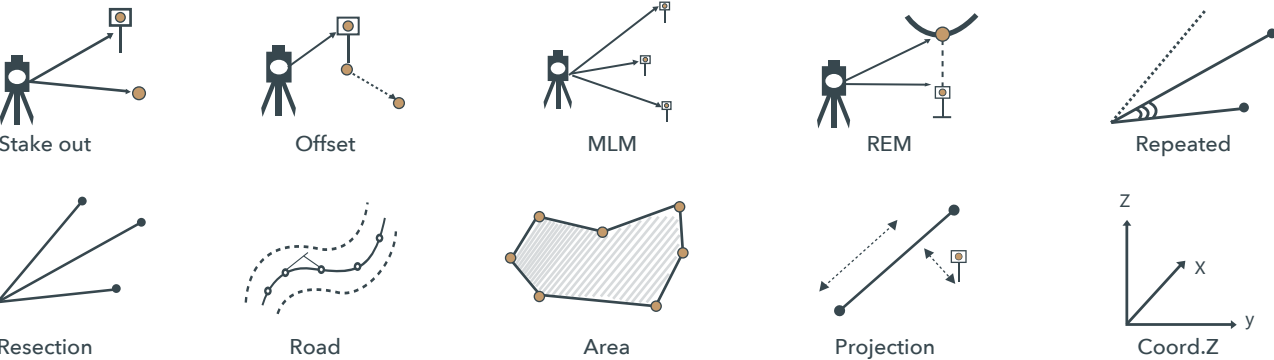


CE IP65



SLT10 features the improvement of screen and hardware, significantly enhancing the surveying experience. New configurations and different built-in software contribute to the convenient and high-precision operation, ensuring the stability of surveying. SLT10 can be widely used in construction, mining, tunnel, railway, highway, and other application scenarios. It is born for efficiency.

Function



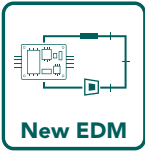
• Calibration Software

Built-in multi-function calibration software improves the maintenance convenience greatly.

• TS-Check

The comprehensive fault diagnosis software can help you easily locate the fault exactly, which will guarantee you solve the problem in time.

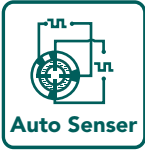
Key Features



- Reflectorless range 1000m. Speed down to 0.3s.



- 2.8-inch 240\*320 pixel, clearly visible in sunlight.



- Get temperature and pressure automatically.
- One-click access.



- More efficient and accurate.



- Dual-axis tilt sensor.
- High-precision bead shafting.
- Sealed encoder disk.



- 3000mA high-capacity Li-ion battery, LED display, Type-C charging.
- Battery life exceeds 18h.



- USB cable and U disk.
- Format: (\*.csv), (\*.txt), (\*.dat), (\*.dxf), (\*.gt7), (\*.htf) etc.



- Support SurvCE and Satsurv connection.
- Support secondary development.



TECHNICAL SUPPORT  
SatLab offers online resources  
and a professional support  
network available worldwide.