SLT 2 Total Station

Specifications

Model	Satlab: SLT2
Angle Measurement(Hz、v)	
Angle measuring principle	Absolute Encoding
Minimum Readout	1" (0.3 mgon), 5" (1.5 mgon), 10" (3 mgon)
Accuracy	2"
Distance Measurement(IR)[1]	
Single Prism	3000m
Accuracy(Fine/Quick/Tracking)	2mm+2ppm
Measuring Time(Repeat/Tracking)	0.8s/0.3s
Reflectorless Range[2] (The target is Kodak white board with reflect rate 90%)	800m
Accuracy (Change according to the different reflector condition)	3mm+2ppm
Measuring Time[3]	Approx. 1s
Telescope	
Magnification	30x
Field of View	1°30′ (2.7m at 100m)
Minimum Focusing Distance	1.5m
Reticle	Illuminated
Tilt Sensor	
System	Biaxial compensator
Working Range	±3'
Accuracy	1"
Communication	
Internal Data Memory	Approx. 80,000 Points
Interface	Standard RS232, USB
Wireless communication	Bluetooth
Power Supply	
Battery Type	Rechargeable high-energy lithium battery
Voltage/Capacity	7.4V DC / 3000 mAH
Operating Time[4]	Optimal 16 hours (Continuous angle measurement every 30 seconds) / 10 hours (typical)
Display	
Display	2.8-inch 240*320 pixel colorful screen
Keyboard	2 sides alpha-numerical back-lit keyboard with 28 keys
Plummet	
Type	Laser point, 4 brightness levels adjustment/ Optical plummet (optional)
Accuracy	1 mm at 1.5m instrument height
Environmental	
Operating Temperature	-20°C-50°C
Storage Temperature	-40°C-70°C
Temperature and air pressure input	Automatic sensing
Dust&Water Proof (IEC60529 Standard)	IP65

Reminding:
*1. Good Conditions: good visibility about 20km, overcast, no scintillation.
*2. Under Kodak Gray (90%). Measuring distance may vary depending on targets and the conditions.
*3. Measuring time may vary depending on measure distance and conditions. For the initial measurement, it may take a longer time.
*4.Battery life specification at 25°C . It might be shorter in low temperature or if the battery is old.

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SATLAB GEOSOLUTIONS

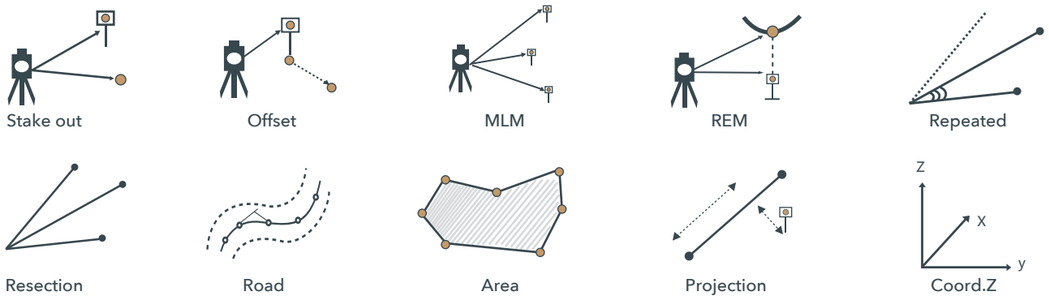
SLT2

Total Station

Made by Sweden

The SLT2 has a fast and powerful reflectorless EDM (0.8 seconds) that is designed to provide advanced accuracy with an efficient workflow in a sleek body. In order to ensure long-term operation in adverse weather conditions, various environmental tests such as vibration, drop, temperature, and humidity were performed to achieve the highest quality.

Function



- Built-in multi-function calibration software, the maintenance convenience is greatly improved.
- The comprehensive fault diagnosis software can help you locate the fault exactly. The simple operation will guarantee you strong after-sales service.

Key Features

New EDM
- Speed down to 0.3s.
- Reflectorless range 800m.

Colorful Screen (2.8" RGB)
- 2.8-inch 240*320 pixel, clearly visible in sunlight.

Trigger Key
- More efficient and accurate.

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

Power
- 3000mA high-capacity Li-ion battery.
- Battery life exceeds 18h.

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

Software Connection
- Support SurvCE and Hi-Survey Road connection.
- Support secondary development.

Dust Proof | Water Proof | Dual LCD Display | Onboard Software | Easy-to-Use Interface | Professional Support Network