SPECIFICATIONS

Angle Measurement	
Angle Measuring Principle	Absolute Encoding
Minimum Readout	0.1"
Accuracy	1"/2"(Optional)
Telescope	
Magnification	30 X
Field of View	1°30′
Minimum Focusing Distance	1.5 m
Reticle	Illuminated
Compensation	
System	Dual-axis
Working Range	±6′
Accuracy	1″
Distance Measurement (Prism Mode)	
Single Prism[1] (General / Ideal Weather Condition)	5000 m / 6000 m
Accuracy (Fine / Quick / Tracking)	2 mm+2 ppm
Measuring Time[3] (Repeat / Tracking)	0.5 s / 0.3 s
Reflectorless	
Range[2] (The Target is Kodak White Board with 90% Reflect Rate)	1000 m
Accuracy (Change According to Different Reflector Conditions)	3 mm+2 ppm
Measuring Time[3] (Repeat / Tracking)	Approx. 1s
Communication	
Interfaces	Type-C (OTG), TF Card, RS 232
WLAN	2.4 GHz Dual-band, Support AP Mode
Bluetooth	BT2.1+EDR / 3.0 / 4.2 LE
Microphone / Speaker	Available
System Configuration	
Operating System	Android 9.0
Processor	Qualcomm CPU@ octa-core 1.8 GHz
Memory	RAM: 2 GB; ROM: 16 GB
Display System	
Display	5.5" Touch Screen, 720*1440
Camera	
Pixel	8 MP
Levels	
Tube level	30″ / 2 mm
Circular level	8′ / 2 mm
Plummet	
Type	Laser Point
Accuracy	1 mm (Instrument Height 1.5 m)
Environmental	
Operating Temperature	-20°C~ 50°C
Storage Temperature	-40°C~55°C
Temperature and Air Pressure Input	Automatic Sensor
Dust&Water Proof (IEC60529 Standard)	IP65
Power Supply[4]	
Battery Type	High-energy Lithium Battery
Voltage / Capacity	7.4 V / 6600 mAh
Measuring Times	Approx. 30000 Times
Dimension	
Size	206 mm*213 mm*374 mm
Weight	5.75Kg(battery included)

Reminders:
*1. Good Conditions: good visibility of about 20km, the overcast sky without scintillation.
*2. Under Kodak white board(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℃. It might be shorter in low temperature or if the battery is old.

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SATLAB GEOSOLUTIONS

SLT12

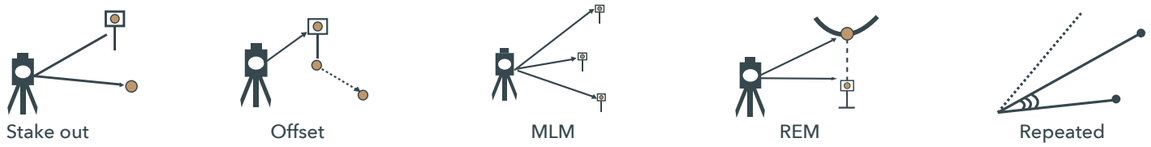
Android Total Station

ISO 9001 CERTIFIED CE IP65

Made by Sweden

Boasting an integrated Android operating system and specialized Android software, SLT12 seamlessly integrates cutting-edge technology into every measurement task. The two high-definition displays elevate operational fluidity, while the built-in camera enables AR stakeout effortlessly, making SLT12 an indispensable tool for optimizing workflows and achieving exceptional results.

Function



Streamlined ST-Surv Software

Effortlessly configures a range of scenarios with swift convenience and supports online updates, ensuring you stay up-to-date with the latest features and enhancements.

Visual-guided Stakeout

Visualizing stakeout points through the camera feed allows you to precisely position elements and markers on the ground. Reducing frequencies of staring at the telescope, finding points easily through the image guidance and visually verifying your measurements in real-time.

CAD Stakeout

With millisecond-level dynamic response, the high-performance CAD engine simplifies stakeout point and line selection, making the process incredibly intuitive and efficient with just one click.

Visual Documentation

The integrated camera enables you to capture images and visual records of the measured points. This documentation can be valuable for future reference, analysis, and reporting.

E-bubbles Animated Guidance

Animated instructions simplify setup, allowing users to adjust the foot screw and level the instrument simultaneously, without the need for repeated rotations.

SLT 12 Android Total Station

Key Features

- Andriod 9.0 operating system
- 5.5-inch touch screen
  Resolution 720*1440
- Reflectorless range 1000 m
  Speed down to 0.3 s
- Support Bluetooth, Wi-Fi
  Wi-Fi hotspot
- Equipped with 8 megapixel camera
- Type-C port with integrated USB OTG function
- Qualcomm octa-core: 1.8 GHz
- Free Road, Bridge and Tunnel measurement software