SLT 12

Android Total Station

SPECIFICATIONS

Angle Measurement	
Angle Measuring Principle	Absolute Encoding
Minimum Readout	0.1"
Accuracy	1"
Telescope	
Magnification	30 X
Field of View	1°30′
Minimum Focusing Distance	1.5 m
Reticle	Illuminated
Image	Erect
Objective aperture	45mm
Compensation	
System	Dual-axis
Working Range	±6'
Accuracy	1"
Distance Measurement (Prism Mode)⁵	
Single Prism¹ (General/Ideal Weather Condition)	5000 m/6000 m
Accuracy (Fine/Quick/Tracking)	1 mm+1.5 ppm
Measuring Time ³ (Repeat/Tracking)	0.5 s/0.3 s
Laser Type	Red visible laser pointer
Reflectorless ⁵	red visible laser pointer
Range ² (The Target is Kodak White Board with 90% Reflect Rate)	1000 m
Accuracy (Change According to Different Reflector Conditions)	2 mm+2 ppm
Measuring Time³ (Repeat/Tracking)	Approx. 1s
Communication	
Interfaces	Type-C (OTG), TF Card, RS 232
WLAN	2.4 /5 GHz Dual-band, Support AP Mo
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 GH
Memory	RAM: 2 GB; ROM: 16 GB
Display System	
Display Display	5.5" Touch Screen, 720*1440
Camera	5.5 TOUGH GOIGEN, 720 1440
Pixel	8 MP
Levels	Ü
Tube level	30"/2 mm
Circular level	10'/2 mm
Plummet	
Туре	Laser Point
Accuracy	1 mm (Instrument Height 1.5 m)
Environmental	
Operating Temperature	-20°C~ 50°C
Storage Temperature	-40°C~55°C



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Size/Weighet

Dimension

Power Supply Battery Type

Voltage/Capacity Operating Time

- *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 duration depends also on display brightness.

Temperature and Air Pressure Input

Dust&Water Proof (IEC60529 Standard)

*5. Distance meter (Prism Mode): Laser class 1; Distance meter (Non-Prism Mode): Laser class 2



Android Total Station

CEE IP65



Made by Sweden

Automatic Sensor

7.4 V/5000 mAh

High-energy Lithium Battery

Up to 8 hours (with one battery)

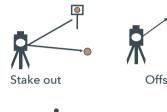
206 mm*213 mm*374 mm/5.5 kg

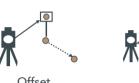
IP65

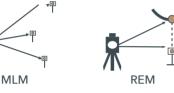
Boasting an integrated Android operating system and specialized Android software, SLT12 seamlessly integrates cutting-edge technology into every measurement task. The two high-definition displays elevate operational fluidity, while the built-in camera enables AR stakeout for unmatched precision and efficiency,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

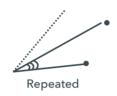


Functions

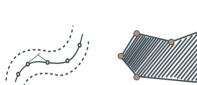


















Resection

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

Road

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.

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

