

SLT Series Total Station

Data Specifications

MODEL	SLT2	SLT5
ANGLE MEASUREMENT		
Minimum Readout	1" (0.3 mgon), 5" (1.5 mgon), 10" (3 mgon)	
Method	Absolute encoding	
Accuracy	2"	5"
Compensator System	Dual-axis	
Compensator Range	±3'	
Compensator Setting Accuracy	1"	
DISTANCE MEASUREMENT WITH REFLECTOR		
Single Prism	3,000m	
Three Prisms	5,000m	
Reflective Sheet	800m	
Accuracy	2mm + 1.5ppm	
Measuring Time	Fine	1s
	Quick	0.8s
	Tracking	0.5s
DISTANCE MEASUREMENT WITHOUT REFLECTOR		
Range	800m	
Single Prism	> 7,500m	
Accuracy	3mm + 2ppm	
Measuring Time	1.5s	
TELESCOPE		
Magnification	30x	
Image	Erect	
Field of View	1°20' (2.4m at 100m)	
Min. Focusing Range	1.5m	
Reticle	Illuminated	
Effective Diameter of Objective	40mm/50mm (EDM)	
Resolving Power	3"	
LASER PLUMMET		
Type	Laser point, 4 brightness levels adjustment/ Optical plummet (optional)	
Centering Accuracy	1mm at 1.5m instrument height	
OPERATION		
System	Real-time operating system	
Display	Dual face high resolution 256 colour display	
Keyboard	2 sides alpha-numerical back-lit keyboard	
Temperature and Pressure Sensor	Built-in	
GENERAL		
Environmental	IP65 environmental protection	
	Humidity 95% (non-condensing)	
	Temperature	-20°C to 50°C Operating -40°C to 70°C Storage
Physical Properties	Resolution	320 x 240 pixels
	Weight	≤5.5kg (12lb) including battery
	Battery	7.4VDC / 3000 mAh
	Operation	Optimally 18 hours

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The SLT Series 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.



Maximum flexibility and great performance

Designed to overcome challenging work situations, Satlab has combined the best field technologies and specialized engineering features to ensure that the SLT Series provides the highest level of accuracy. Capture measurements faster and easier with our intuitive onboard software (Satcont) using a dual colour LCD display.



Applications

- Road Works
- Land Surveying
- Topography and As-built
- Construction Survey and Layout
- Foundation and Exterior

Increased efficiency with enhanced accuracy

The SLT Series is the most ideal entry-level work site surveying tool that offers flexibility and reliability, enabling you to get the job done without sacrificing on functionality. Equipped with a fast and reflectorless EDM, as well as the Satcont onboard software, the SLT Series is built to last.

Delivering quality equipment

Manufactured in an ISO, and CE certified factory, each total station is made with proper protocol and procedure that adheres to every operating aspect as well as stringent quality assurance checks that ensures the highest quality.

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

