

# SLT Series Total Station

## Data Specifications

MODEL	SLT1	SLT2	SLT5
ANGLE MEASUREMENT			
Minimum Readout	1" (0.3 mgon), 5" (1.5 mgon), 10" (3 mgon)		
Method	Absolute encoding		
Accuracy	1"	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	
	Internal Storage	Approx. 20,000 Points	

**SATLAB**  
GEOSOLUTIONS

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Building the Future with  
**Accuracy  
& Precision**

Made by Sweden



**SATLAB**  
GEOSOLUTIONS

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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.*



Swedish  
Quality



30x  
Magnification



Single Button  
Operation



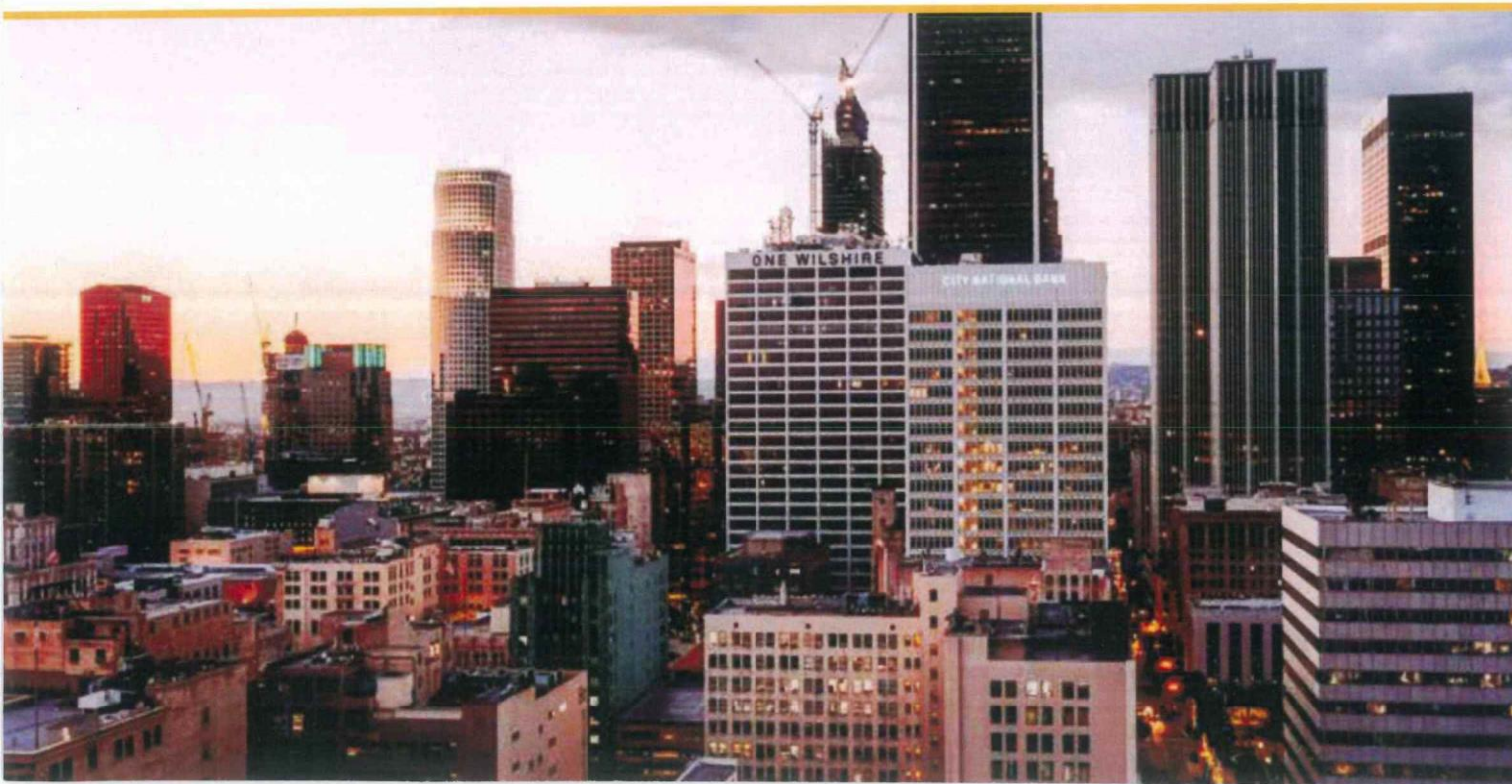
Reflectorless



Durable

### 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

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

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.



Dust  
Proof



Water  
Proof



Dual LCD  
Display



Onboard  
Software



Easy-to-Use  
Interface



Professional  
Support Network