

SLT Series

Total Station



CE



Building the Future with
**Accuracy
& Precision**



Designed and Engineered in Sweden

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



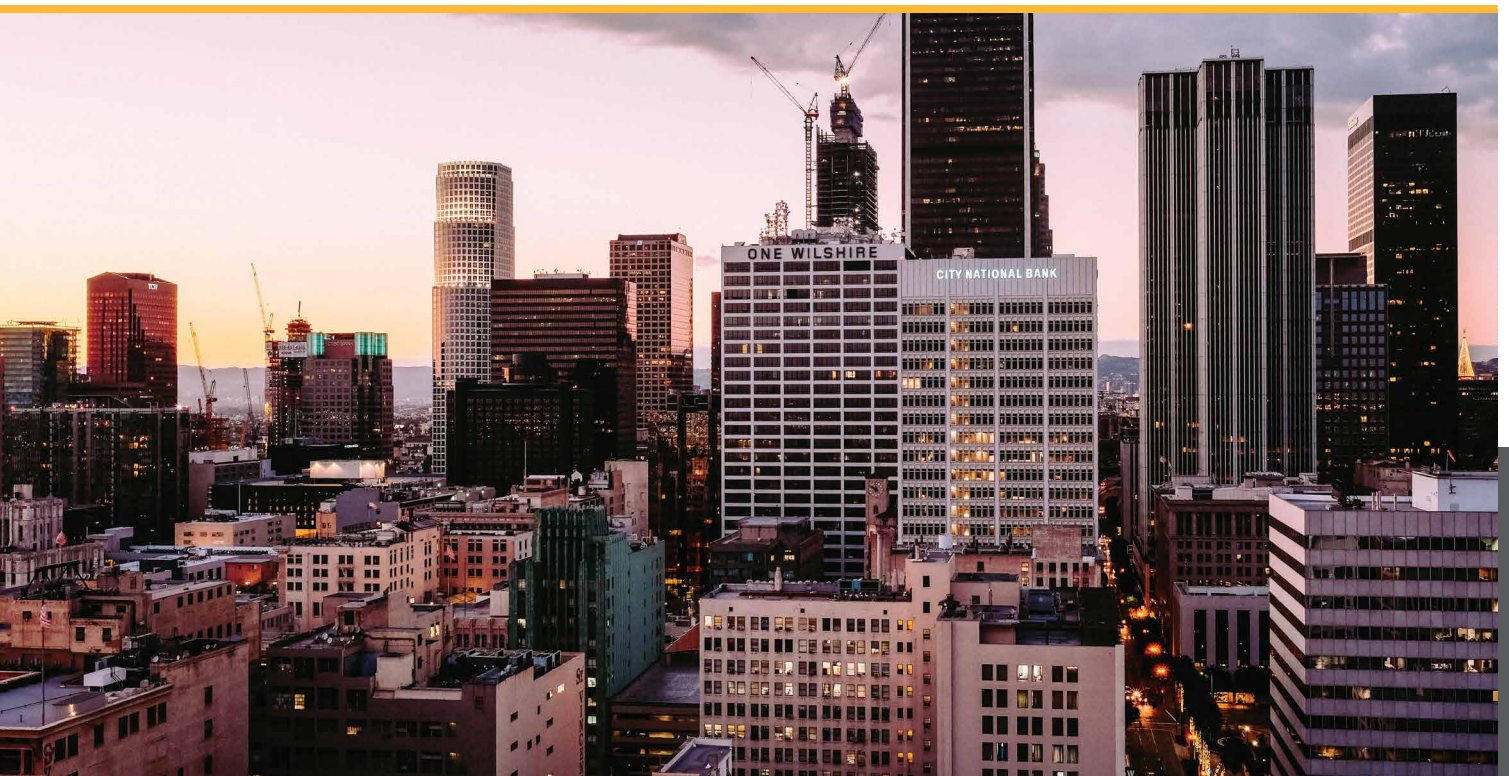
Reflectorless



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

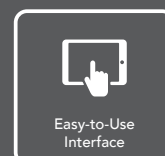
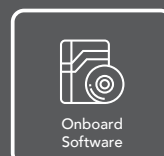
The SLT Series is the most ideal entry-level work site surveying tool that offers flexibility and reliability, enabling you to get the job done without sacrificing on functionality. Equipped with a fast and reflectorless EDM, as well as the Satcont onboard software, the SLT Series is built to last.

Delivering quality equipment

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.



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Data Specifications

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	2mm + 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)

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	IP66 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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