Leica FlexLine TS06plus

Top Precision meets High Efficiency





The First Plus: Original Leica Geosystems Quality



The Third Plus: Top Precision, Speed and Efficiency

The claim "easy to operate" seems to be everywhere. Whether this promise can be kept only becomes apparent in the practice. Because professional measurement experts were involved in its development, the Total Station Leica FlexLine TSO6plus allows you to work quickly and effectively right from the first day.

Electronic Distance Measurement:

Wherever high-distance measurement accuracy is required, you can face the challenge of this demanding task with the TSO6plus. It provides the most accurate Electronic Distance Measurement.

Prism Mode

- Precision+ (1.5 mm + 2 ppm)
- Speed (1 second)

Non-Prism Mode

- Precision (2 mm + 2 ppm)
- PinPoint EDM with coaxial, small laser pointer and measurement beam for accurate aiming and measuring
- Fewer set-ups required, because targets on which it is not possible to set up a reflector can be measured using reflectorless measurement up to 1.000



The Leica FlexLine TS06plus Communication Side Cover enables cable-free connection to any data collector via Bluetooth, for example the field-controllers Leica Viva CS10 or Leica Viva CS15 with SmartWorks Viva software. The USB-stick enables the flexible transfer of such data as GSI, DXF, ASCII, LandXML and CSV.

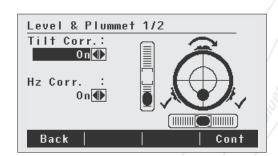


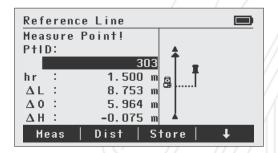
Built-in user friendliness: The full alpha-numerical keyboard.

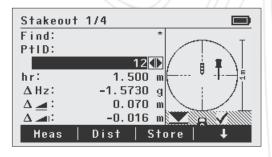
The Leica TS06plus standard built-in

alpha-numerical keyboard enables fast and easy entry of numbers, letters and special characters, e.g. for coding. It increases the work speed while at the same time reducing possible sources of error.

FlexField plus Onboard Software: Easy to use due to it's graphical guidance and intuitive workflows.







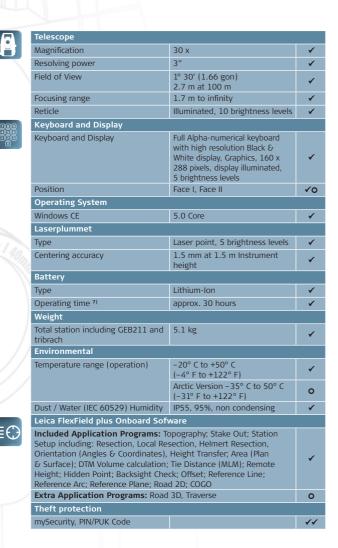


Leica Geosystems - mySecurity

mySecurity gives you total peace of mind. If your instrument is ever stolen, a locking mechanism is available to ensure that the device is disabled and can no longer be used.

Leica FlexLine Plus Proven Specifications, Reliable Instruments

Leica FlexLine TS06plus specifications:						
Angle Measurement (Hz, V)						
Accuracy 1)	1" (0.3 mgon) / 2" (0.6 mgon) 3" (1 mgon) / 5" (1.5 mgon) 7" (2 mgon)	1				
Method	Absolute, continuous, diametrical: at all models					
Display resolution	0.1" / 0.1 mgon / 0.01 mil	1				
Compensation	Quadruple Axis Compensation: at all models					
Compensator Setting Accuracy	0.5" / 0.5" / 1" / 1.5" / 2"					
Distance Measurement with Refl	ector					
Range ²⁾ Round prism (Leica GPR1)	3.500 m	1				
Range ²⁾ Reflective tape (60 mm x 60 mm)	>500 m ⁹⁾ >1000 m ¹⁰⁾	✓				
Range ²⁾ Prism-Long (Leica GPR1, R500/R1000)	>10.000 m	✓				
Accuracy 3)	Precise+: 1.5 mm + 2.0 ppm Precise Fast: 2.0 mm + 2.0 ppm Tracking: 3.0 mm + 2.0 ppm	1				
Typical Measurement time 4)	1.0 s	1				
Distance Measurement without I	Reflector ⁸⁾					
Range ⁵⁾ PinPoint R500 / R1000	> 500 m / > 1000 m	√ 0				
Accuracy 3) 6)	2 mm + 2 ppm					
Laser dot size	At 30 m: approx. 7 x 10 mm At 50 m: approx. 8 x 20 mm	✓				
Data storage / Communication						
Internal memory	Max.: 100'000 fixpoints, Max.: 60'000 measurements	✓				
Interfaces	- Serial (Baudrate up to 115'200) - USB Type A and mini B, - Bluetooth® Wireless, class 1, 150 m - > 1000 m (with TCPS29)	√ √ √ 0				
Data formats	GSI / DXF / LandXML / CSV / user definable ASCII formats					
Guide Light (EGL)						
Working Range (average atmospheric conditions)	5 m - 150 m	0				
Positioning accuracy	5 cm at 100 m	0				



Model Comparison: Configurations & Options of Manual Total Stations

	TS02plus	TS06plus	TS09plus	Viva TS11		
1" angular accuracy	-	0	0	0		
Enhanced measurement accuracy to prism	1.5 mm + 2 ppm	1.5 mm + 2 ppm	1.5 mm + 2 ppm	1.0 mm + 1.5 ppm		
Reflectorless measurement range	500 m option	500 m included/1000 m option	500 m included/1000 m option	500 m included/1000 m option		
Display with graphics and display illumination	Black & White high resolution	Black & White high resolution	Q-VGA Color & Touch	Full-VGA Color & Touch		
Full alpha-numerical keyboard with function keys	-	✓	✓	✓		
Second Keyboard	0	0	0	0		
Keyboard illumination	-	-	✓	4		
Electronic Guide Light	-	0	✓	✓		
USB Type A and mini B	-	✓	✓	4		
Bluetooth® Wireless	-	✓	✓	4		
SD Card	-	-	-	✓		
Imaging capability	-	-	-	0		
Smart Station GNSS capability	-	-	-	0		
Onboard software (package content)	FlexField plus (standard)	FlexField plus (advanced)	FlexField plus (full)	SmartWorx Viva (pro)		

Legend:

- 1) Standard deviation ISO-17123-3
- 2) Overcast, no haze, visibility about 40 km; no heat shimmer.
- 3) Standard deviation ISO-17123-4
- 4) Prism Precise Fast mode
- 5) Under optimal conditions on Kodak Grey Card (90% reflective). Maximum range
- varies with atmospheric conditions, target reflectivity and surface structure.
- 6) Range > 500m 4mm+2ppm
- 7) Single Measurement every 30 second at 25° C. Battery time may be shorter if battery is not new. Internal battery GEB222.
- 8) Reflectorless measurement time may vary according to measuring objects, observation situations and environmental
- 9) with R500 option using Non-prism mode
- 10) with R1000 option using Non-prism mode
- ✓ Included
- O Option
- . Not available

The Second Plus: Real Features, True Benefits



USB Stick

For fast and easy transfer of data

Wireless Bluetooth

For cable-free connection to data logger



PinPoint EDM

- The most precise in its class (1.5 mm + 2 ppm)
- Extremely fast (1 second)
- > 1.000 meters without prism
- Coaxial laser pointer and measurement beam



Electronic Guide Light

For faster stake-out



Alpha-numerical keyboard

Fast and errorfree input



FlexField plus

Modern and intuitive on-board software for higher productivity



Large highresolution display

 At-a-glance viewing on the largest high-resolution display in its class



Useful tools

A range of tools, such as a trigger key and laser plummet, speed up your work



Arctic version

■ For use at -35°C (-31°F)



mySecurity

Unique cloudbased protection against theft





the videos!

Whether you want to survey a parcel of land or objects on a construction site, determine measured points on facades or in rooms, gather the coordinates of a bridge or a tunnel - Leica Geosystems' total stations provide the right solution for every application. They unite reliable results with easy operation and user-friendly applications. Our total stations are designed to meet your specific requirements. Modern technology enables you to work fast and productively, thanks to the straightforward and clearly structured range

- when it has to be right.

of functions.





Total Quality Management our commitment to total customer satisfaction.

Distance meter: (PinPoint R500 / R1000): Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1

Laser plummet:

Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1

Distance meter:

(Prism Mode) Laser class 1 in accordance with IEC 60825-1 resp. EN 60825-1

Guide light (EGL):

LED class 1 in accordance with IEC 60825-1 resp. EN 60825-1

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FlexLine TS02plus **Brochure**



FlexLine TS09plus Brochure



FlexField plus & FlexOffice Brochure



Viva TS11 **Brochure**



Original Accessories Brochure

Please visit www.leica-geosystems.com for detailed information about Leica FlexLine plus and more documents.

