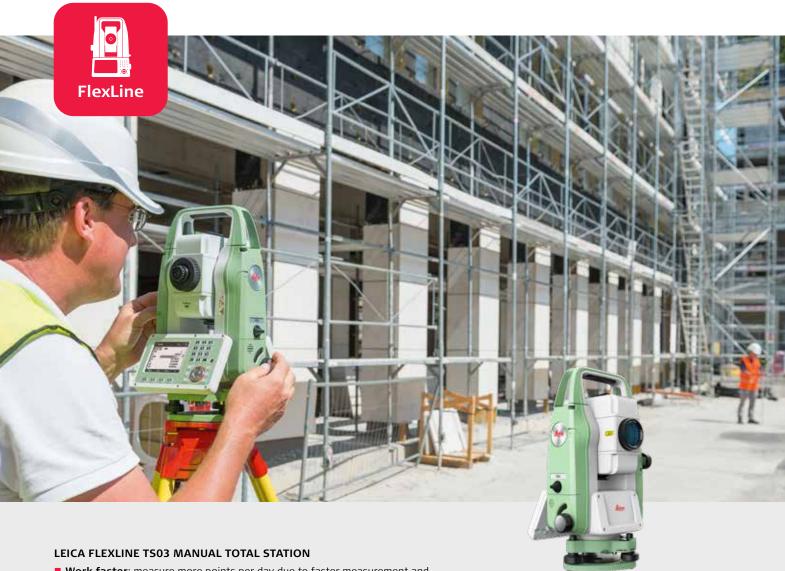
Leica FlexLine TS03 **Manual Total Station**



- Work faster: measure more points per day due to faster measurement and stakeout procedures (endless drives, trigger key, drives on both sides, pinpoint EDM and more), supported by our comprehensive and user-friendly Leica FlexField software.
- Use it trouble-free: increase productivity and minimise downtime by relying on instruments that simply work and come with a global service and support network.
- Choose products that are built to last: FlexLine operates with the same high level of quality even after years of use under harsh conditions (like mud, dust, blowing rain, extreme heat and cold).
- Control your investment: reliability, speed and accuracy ensure a lower investment over the product lifetime and a higher resell value.

The Leica FlexLine TS03 high-quality, manual total station is based on a proven product concept that has been revolutionising the world of measurement and survey for nearly 200 years. The instrument is equipped with a comprehensive application-based software package - Leica FlexField software - that enables most survey and stakeout tasks to be carried out easily and efficiently. The new FlexLine manual total stations work reliably and deliver accurate results even in harsh environments.













Leica FlexLine TS03

ANGULAR MEASUREMENT



Leica FlexLine TS03

Absolute, continuous, diametrical ¹	2" / 3" / 5"
 Display resolution: 0.1" (0.1 mgon) Quadruple axis compensation Compensator setting accuracy²: 0.5" / 1"/ 1.5" / 2" 	V
 Compensator range: +/- 4' Electronic level resolution: 2" Circular level sensitivity: 6' / 2 mm 	•
Prism (GPR1, GPH1P): 0.9 m to 3,500 mPrism GPR1 (Long Range mode) > 10,000 m	V
Non-Prism / Any surface R5003	×
 Precise+ / Once: 1 mm + 1.5 ppm (typical 2.4 s) Precise&Fast / Once&Fast: 2 mm + 1.5 ppm (typical 2 s) Tracking / Continously: 3 mm + 1.5 ppm (typical < 0.15 s) Averaging: 1 mm + 1.5 ppm 	V
Non-Prism / Any surface	V
At 50 m: 8 mm x 20 mm At 100 m: 16 mm x 25 mm	v
Resolving power: 3"Focusing range: 1.5 m / 4.92 ft to infinity	V
	3.5" (inch), 320 x 240 px QVGA, grayscale, 28 keys ⁶
2 nd keyboard	Х
Key illumination	Х
■ Endless drives for HZ & V	v
■ Trigger-Key: user definable with 2 functions	· · · · · · · · · · · · · · · · · · ·
Ingger-Key: user definable with 2 functions Exchangeable Lithium-Ion battery ⁷ Operating time with GEB364 Operating time with GEB334	up to 32 h up to 16 h
Exchangeable Lithium-Ion battery ⁷ Operating time with GEB364 Operating time with GEB334 Battery charging time with GKL341 charger for GEB364 / GEB334	up to 32 h up to 16 h 3 h 30 min / 3 h
Exchangeable Lithium-Ion battery ⁷ Operating time with GEB364 Operating time with GEB334 Battery charging time with GKL341 charger for GEB364 / GEB334 GKL311 charger for GEB364 / GEB334 External supply voltage Nominal voltage 13.0 V DC & 16 W max	up to 32 h up to 16 h
Exchangeable Lithium-Ion battery ⁷ Operating time with GEB364 Operating time with GEB334 Battery charging time with GKL341 charger for GEB364 / GEB334 GKL341 charger for GEB364 / GEB334 External supply voltage Nominal voltage 13.0 V DC & 16 W max Internal memory: 4 GB Flash Memory card: 5D card 1 GB or 8 GB	up to 32 h up to 16 h 3 h 30 min / 3 h 6 h 30 min / 3 h 30 min
Exchangeable Lithium-Ion battery ⁷ Operating time with GEB364 Operating time with GEB334 Battery charging time with GKL341 charger for GEB364 / GEB334 GKL311 charger for GEB364 / GEB334 External supply voltage Nominal voltage 13.0 V DC & 16 W max Internal memory: 4 GB Flash Memory card: 5D card 1 GB or 8 GB USB memory stick: 1 GB TI OMAP4430 1GHz Dual-core ARM® Cortex TM A9 MPCore TM	up to 32 h up to 16 h 3 h 30 min / 3 h 6 h 30 min / 3 h 30 min ✔
Exchangeable Lithium-Ion battery ⁷ Operating time with GEB364 Operating time with GEB344 Battery charging time with GKL341 charger for GEB364 / GEB334 GKL311 charger for GEB364 / GEB334 External supply voltage Nominal voltage 13.0 V DC & 16 W max Internal memory: 4 GB Flash Memory card: 5D card 1 GB or 8 GB USB memory stick: 1 GB TI OMAP4430 1GHz Dual-core ARM® Cortex™ A9 MPCore™ Operating system − Windows EC7	up to 32 h up to 16 h 3 h 30 min / 3 h 6 h 30 min / 3 h 30 min
Exchangeable Lithium-Ion battery ⁷ Operating time with GEB364 Operating time with GEB334 Battery charging time with GKL341 charger for GEB364 / GEB334 GKL311 charger for GEB364 / GEB334 External supply voltage Nominal voltage 13.0 V DC & 16 W max Internal memory: 4 GB Flash Memory card: 5D card 1 GB or 8 GB USB memory stick: 1 GB TI OMAP4430 1GHz Dual-core ARM® Cortex TM A9 MPCore TM Operating system – Windows EC7 RS232*, USB device Accuracy Plumb line deviation: 1.5 mm at 1.5 m instrument height	up to 32 h up to 16 h 3 h 30 min / 3 h 6 h 30 min / 3 h 30 min
Exchangeable Lithium-Ion battery ⁷ ■ Operating time with GEB364 ■ Operating time with GEB334 Battery charging time with ■ GKL341 charger for GEB364 / GEB334 ■ GKL341 charger for GEB364 / GEB334 External supply voltage ■ Nominal voltage 13.0 V DC & 16 W max ■ Internal memory: 4 GB Flash ■ Memory card: SD card 1 GB or 8 GB ■ USB memory stick: 1 GB ■ TI OMAP4430 1GHz Dual-core ARM® Cortex™ A9 MPCore™ ■ Operating system – Windows EC7 RS232*, USB device Accuracy	up to 32 h up to 16 h 3 h 30 min / 3 h 6 h 30 min / 3 n min
	Display resolution: 0.1" (0.1 mgon) Quadruple axis compensation Compensator setting accuracy²: 0.5" / 1"/ 1.5" / 2" Compensator range: +/- 4' Electronic level resolution: 2" Circular level sensitivity: 6' / 2 mm Prism (GPR1, GPH1P): 0.9 m to 3,500 m Prism GPR1 (Long Range mode) > 10,000 m Non-Prism / Any surface R500³ R1000⁴ Single prism Precise+ / Once: 1 mm + 1.5 ppm (typical 2.4 s) PreciseFast / OnceFast: 2 mm + 1.5 ppm (typical 2 s) Tracking / Continously: 3 mm + 1.5 ppm (typical < 0.15 s) Averaging: 1 mm + 1.5 ppm Long Range mode / > 4 km: 5 mm + 2 ppm (typical 2.5 s) Non-Prism / Any surface 0 m - 500 m: 2 mm + 2 ppm (typical 2.4 s⁵) At 30 m: 7 mm x 10 mm At 50 m: 8 mm x 20 mm At 100 m: 16 mm x 25 mm Magnification: 30x Resolving power: 3" Focusing range: 1.5 m / 4.92 ft to infinity Field of view: 1°30' / 1.66 gon / 2.7 m at 100 m

LOC8

- Legend:
 1. 2" (0.6 mgon), 3" (1 mgon), 5" (1.5 mgon)
 2. Angular accuracy / Compensator setting accuracy: 1" /0.5" (0.2 mgon), 2"/0.5" (0.2 mgon), 3"/1.0" (0.3 mgon), 5"/1.5" (0.5 mgon)
 3. R500: Kodak gray 90% reflective (0.9 m to >500 m), Kodak gray 18% reflective (0.9 m to >500 m)
 4. R1000: Kodak gray 90% reflective (0.9 m to >1000 m), Kodak gray 18% reflective (0.9 m to >500 m)

Tracking and theft deterrence device

- 5. Up to 50 m, max. measurement time 15 s
 6. Face I standard
 7. Distance/angle measurement every 30 seconds
 8. 5 PIN Lemo-0 for power, communication and data transfer
 9. Storage temperature: -40°C to +70°C



Laser radiation, avoid direct eye exposure. Class 3R laser product in accordance with IEC 60825-1:2014.

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✓ = Included • = Optional X = Not available