

Leica TPS700 Equipment List



- when it has to be **right**

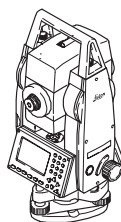
Leica
Geosystems

TPS700 Equipment List

TPS700 Instruments

Total Stations with ATR* and RL**

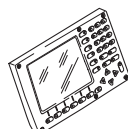
- 730849 TCRA705power, 5" (1.5 mgon)
- 730848 TCRA703power, 3" (1.0 mgon)
- 730847 TCRA702power, 2" (0.6 mgon)
- 748590 TCRA705ultra, 5" (1.5 mgon)
- 748602 TCRA703ultra, 3" (1.0 mgon)
- 748603 TCRA702ultra, 2" (0.6 mgon)



Options for TPS700 Instruments

Second Keyboard

- 667757 GTS17, 2nd keyboard, for TPS700 instruments, for telescope position 2, fitted.



Electronic Guide Light (EGL)

- 726825 EGL2/700 Guide Light for TPS700ultra, TPS700power and TPS700auto instruments



Software

- 729539 Software Licence for application "Sets of Angles"

Extended Warranty Contracts

- 89323 1 year TPS700auto extended warranty (has to be ordered before previous warranty is terminated) (Max. warranty extension is 3 years)

Certificates

Producer Certificates

- 366358 Producer Certificate O
- 559655 Producer Inspection Certificate M, angles
- 723945 Producer Inspection Certificate M, total stations, distances with both infrared and reflectorless EDM
- 723946 Producer Inspection Certificate M, total stations, angle and distances with both infrared and reflectorless EDM

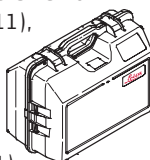


Calibration Certificates

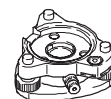
- 757424 Calibration Certificate – nat. accredited Calibration Laboratory, total stations, angle, TPS400/700/800/TPS1200/TPS2000.
- 757425 Calibration Certificate – nat. accredited Calibration Laboratory, total stations, angle and distance IR, TPS400/700/800/TPS1200/TPS2000.

Accessory Sets

- 730484 TPS400/700/800 Standard accessory Set, consisting of:
1 Tribrach (GDF111-1), 2 Batteries (GEB111),
1 Charger (GKL112), 1 Data-Transfer-Cable Lemo 0/USB(GEV189), 1 Miniprism Set (GMP111),
1 Instruments height meter (GHM007),
1 Distance holder (GHT196).
- 731453 TPS400/700/800 Advanced accessory Set, consisting of:
1 Tribrach (GDF121), 2 Batteries (GEB121),
1 Charger PRO (GKL221 + 2x GDI222),
1 Data-Transfer-Cable Lemo 0/USB(GEV189),
1 Miniprism Set (GMP111), 1 Instruments height meter (GHM007), 1 Distance holder (GHT196).



Tribrachs



Professional (1)

- 667304 Tribrach GDF121 PRO, without optical plummet, pale green
 - 667307 Tribrach GDF122 PRO, with optical plummet, pale green
- ### Basic (2)
- 748888 Tribrach GDF111-1, w/o opt. Plummet, green
- ### Choice (3)
- 726839 CTB101 Tribrach, without optical plummet, black.

Tribrach Accessories

- 667718 GHM007 Instruments height meter.
- 722045 GHT196 Distance holder for height meter.

Tripods

Professional (1)

- 296632 Tripod GST20, PRO, wooden, with accessories
- 667301 Tripod GST120-9, wooden

Choice (3)

- 726831 Tripod, CTP101, wooden



Tripod Accessories

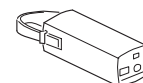
- 332200 GST4, tripod-star for setting up tripods on hard and slippery surfaces.

Power Source

Batteries

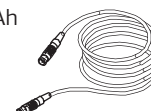
Internal:

- 667318 GEB111 plug-in Camcorder battery, NiMh, 6V, 2,1 Ah, rechargeable, for TPS400/TPS800
- 667123 GEB121 plug-in Camcorder battery, NiMh, 6V, 4,2 Ah, rechargeable, TPS400/TPS800



External:

- 727367 GEB171, External battery, NiMH, 12V/9Ah



Power Cables

- 409678 Battery cable GEV52, 1.8 m, for connecting instrum. to external battery GEB171
- 439038 GEV71, Car battery cable, 4m, connects 409678 to 12V car
- 712156 Battery Adapter GAD39

Chargers

Professional (1)

- 733271 Charger, GKL221, PRO. To be used with up to two charging adapters GDI222, Charger cable and net adapter included.
- 733322 Adapter, GDI222, for GKL221 for charging Ni-Mh batteries of type GEB121, GEB111, charger cable included for GEB171
- 734389 Car adapter for the GKL221 charger, GDC221, Allows the use of the GKL221 with a cigarette lighter; 12V24V DC/DC Converter.



Basic (2)

- 734753 Charger, GKL112, BASIC, for Ni-Mh batteries GEB121/111, car adapter cable, net adapter included.

*ATR = Automatic Target Recognition

**RL = EDM for measurement without reflector

Data Transfer



- 563625 Data Transfer Cable, GEV102, RS232 /Lemo 0, 2m, 9pin female, for connecting Instrument to PC, laptop
- 734700 Data Transfer Cable, GEV189, USB/Lemo 0, 2m, for connecting Instrument to PC, laptop etc.
- 667398 Data transfer cable, GEV147, Lemo 0/HR10, for connecting electronic field book etc.
- 8216666 Bluetooth® Kit (includes Bluetooth® module, charger, rain cover and tripod hook. Suitable for all Leica Instruments.)
- 751234 USB-Bluetooth® Stick connects to PC for wireless communication with Art. Nr. 8216666

Survey Poles

Professional (1)

- 385500 Reflector pole, GLS11, PRO, telescopic, with circular cm/ft graduation, extends to 2,15m
- 403427 Mini reflector pole, GLS14, PRO, (prism/target 20cm over point), with circular bubble.
- 667309 Reflector pole, GLS111, BASIC, with bull's-eye bubble cm/ft graduation, extends to 2.60m, with red/white 0.20m graduations
- 667310 Reflector pole GLS112,BASIC, with bull's-eye bubble, cm/ft graduation, extends to 3.65m, with red/white 0.20m graduations

Choice (3)

- 748967 Reflector Pole CPP105, with circular bubble for Flat-/mini-Prism, Snaplock at 1.5 and 2.0m

Hidden Point Poles:

- 744495 GMP112-0, Hidden Point pole extension for GMP111-0. Includes one miniprism and one 30cm adapter pole.
- 742329 Hidden Point Pole extension, GMP112, for GMP111, includes Mini Prism with holder and 30 cm adapter pole.

Struts:

- 555720 Dual-strut support GSR2 for GLS11/GLS11K
- 667319 Dual-strut support GSR111, for all GLS



Reflectors

Standard Prisms

Professional (1)

- 641617 Circular prism GPR121 PRO, with holder and target plate
- 362830 Single Circular Prism, GPR1
- 639985 360° Reflector, GRZ4

Basic (2)

- 641618 Circular prism, GPR111 BASIC, with holder and target plate
- 753492 GPR113 Circular prism, with red holder.

Mini Prisms

Professional (1)

- 641662 GMP101, Mini prism, incl. bubble, target plate and spike, in bag, also suitable for GLS11 and GRT44 (same height as GPH1, additive constant +17.5mm)

Basic (2)

- 641615 Mini prism set, GMP111,
- 642534 Mini Prism GMP111-0 for zero prism constant.
- 644327 GRZ101, 360° Mini prism

Choice (3)

- 731346 CPR105, Flat prism with double sided reflector.



Carriers:

- 725566 Carrier GZR103, with plate level and optical plummet, for reflectors and GPS antenna, pale green.
- 667313 Carrier GRT144 for GPS antenna, EDM reflectors and target plates, pale green.
- 667316 SNLL121, Sensornadir laser plummet, pale green, with user manual.

Prism Holders:

- 362820 Single Prism Holder GPH1, for GPR1
- 362823 Target plate GZT4, for GPH1

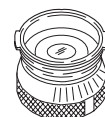
Adapters:

- 743503 GAD105 for fitting GMP111 on reflector pole



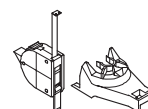
Optical accessories

- 734514 Diagonal eyepiece, GFZ3 for telescope
- 743504 GV013 solar filter



Miscellaneous Accessories

- 667451 GVP609, Container, for 2 Circular prisms GPR111/121, 2 Laser plummets and 2 tribrachs.
- 744501 Back strap(2), GZD66 for new container
- 727589 Soft Bag for prism station, CTC102



CD-ROM

- 725602 Instrument CD – TPS400/700/800 Series



LEICA Geo Office

- 742616 LEICA Geo Office Tools
- 734712 Software protection key (parallel) for single user licence.
- 734113 Software protection key (USB) for single user licence.
- 734114 Software protection key for network licence for 5 users.

(1) PROFESSIONAL

Precision products for use with high accuracy surveying, construction, engineering and monitoring applications. They are of the highest quality and have a long usable life in all environments.

(2) BASIC

Products with an optimised price/performance ratio but still meeting the same stringent environmental specifications as the Professional series. This is achieved by making compromises of the achievable measurement accuracy. These compromises in accuracy are acceptable for certain applications.

(3) CHOICE

A new range with focus on price, that is specifically designed to meet only the requirements for simple applications in normal environments. No spare parts or repairs are available for these products.

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 of functions.

When it has to be right.

Illustrations, descriptions and technical specifications are not binding and may change.
Printed in Switzerland – Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2007.
713828en – V.07 – INT

The **Bluetooth®** word mark and logos are owned by Bluetooth SIG, Inc. and any use of such marks by Leica Geosystems AG is under license. Other trademarks and trade names are those of their respective owners.