

# Leica TPS400 Equipment List



- when it has to be **right**

*Leica*  
Geosystems

# TPS400 Equipment List

## TPS400 Instruments



### Total Stations

- 725552 TC407, 7" (2.0 mgon)
- 725553 TC405, 5" (1.5 mgon)
- 725554 TC403, 3" (1.0 mgon)

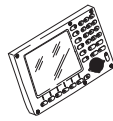
### Total Stations for reflectorless measurement

- 737919 TCR407power, 7" (2.0 mgon)
- 737920 TCR405power, 5" (1.5 mgon)
- 737921 TCR403power, 3" (1.0 mgon)
- 748624 TCR407ultra, 7" (2.0 mgon)
- 748625 TCR405ultra, 5" (1.5 mgon)
- 748626 TCR403ultra, 3" (1.0 mgon)

## Options for TPS400 Instruments

### Second Keyboard

- 733370 GTS19-V2, 2nd keyboard, for TPS400 instruments, for telescope position 2, fitted.



### Electronic Guide Light (EGL)

- 667161 EGL3 Guide Light (for TPS400/700/800)



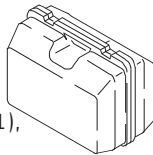
## Certificates

- 723945 Producer Inspection Certificate M, Distances with infrared and reflectorless EDM
- 723946 Producer Inspection Certificate M, Angle and Distances with infrared and reflectorless EDM
- 366358 Producer Certificate O
- 366359 Producer Inspection Certificate M, (for angle & distance)
- 559655 Producer Inspection Certificate M (for angle)
- 663177 Producer Inspection Certificate M (for distance)

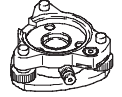


## Accessory Sets

- 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

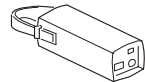
- 332200 GST4, tripod-star for setting up tripods on hard and slippery surfaces.

## 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

#### Basic Series

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



#### Professional Series

- 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.

## 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:

- 742349 Hidden Point Pole Set (1xGMP111, 1x GMP112)
- 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, BASIC, GRZ4

### Basic (2)

- 641618 Circular prism, GPR111 BASIC, with holder and target plate

### 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)
- 641663 GMP102, Mini prism with target plate for GLS11 and GRT44 (same height as GPH1, additive constant 17.5mm)

#### Basic (2)

- 641615 Mini prism set, GMP111, BASIC,
- 642534 Mini Prism GMP111-0 for zero prism constant.
- 644327 GRZ101, 360° Mini prism with pole and level assembly. Prism constant +30mm. Pole of 4 parts with length of 30cm each and with 2 pole tips. Level assembly freely attachable at the pole.



### Carriers:

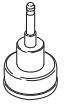
- 725566 Carrier GZR103, with plate level and optical plummet, for reflectors and GPS antenna, pale green.
- 667313 Carrier GRT144 for GPS antenna, EDM reflectors and target plates, pale green.
- 667316 SNLL121, Sensornadir laser plummet, pale green, with user manual.

### Prism Holders:

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

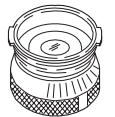
### Adapters:

- 743503 GAD105 for fitting GMP111 on reflector pole



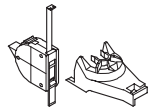
## Optical accessories

- 734514 Diagonal eyepiece, GFZ3 for telescope
- 743504 GV013 solar filter
- 377802 FOK53 Eyepiece, additional eyepiece (modification in a workshop necessary)



## 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
- 404246 Tripod Pouch with plumb bob
- 727589 Soft Bag for prism station, CTC102



## CD-ROM

- 725602 Instrument CD – Builder/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.

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