Leica Geosystems
Original Accessories
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Tripods

PROFESSIONAL 5000

GST20, Wooden Tripod
Heavy duty tripod with plumb bob, carrying strap and side clamp screws. Proven long-life, twist-proof and excellent vibration characteristics. Packaged length 110 cm (3.61 ft), extendible to 180 cm (5.91 ft), weight 6.4 kg (14.1 lb).
Order No: 296632

GST120-9, Wooden Tripod
Heavy duty self-closing tripod with carrying strap and side clamp screws. Proven long-life, twist-proof and excellent vibration characteristics. Packaged length 110 cm (3.61 ft), extendible to 180 cm (5.91 ft), weight 6.4 kg (14.1 lb).
Order No: 667301

GST20-9, Wooden Tripod
Heavy duty tripod with carrying strap and side clamp screws. Proven long-life, twist-proof and excellent vibration characteristics. Packaged length 110 cm (3.61 ft), extendible to 180 cm (5.91 ft), weight 6.4 kg (14.1 lb).
Order No: 394752

GST40, Wooden Tripod
Heavy duty tripod with rigid legs, suitable for precision levelling. Proven long-life, twist-proof and excellent vibration characteristics. Length 170 cm (5.58 ft), weight 6.0 kg (13.2 lb).
Order No: 328422
GST05, Wooden Tripod
Light duty tripod with water-tight plastic wrap for complete protection. Suitable for TPS-Instruments with angular measurement accuracy above 5", reflectors and GNSS antennas. Packaged length 107 cm (3.51 ft), extendible to 176 cm (5.77 ft), weight 5.6 kg (12.3 lb).
Order No: 399244

GST101, Wooden Tripod
Heavy duty tripod with carrying straps and side clamp screws. A cost effective alternative for TPS-Instruments with angular measurement accuracy above 5" and reflectors. Packaged length 104 cm (3.41 ft), extendible to 166 cm (5.45 ft), weight 5.7 kg (12.6 lb).
Order No: 726831

GST05L, Aluminium Tripod
Light duty tripod with shoulder strap. Light-weight and long lasting making it suitable for GNSS antennas, prisms and levels. Packaged length 107 cm (3.51 ft), extendible to 176 cm (5.77 ft), weight 4.6 kg (10.1 lb).
Order No: 563630

GST103, Aluminium Tripod
Light tripod with carrying straps and side clamp screws. A cost effective alternative for levels, lasers and reflectors. Packaged length 105 cm (3.44 ft), extendible to 167 cm (5.48 ft), weight 4.5 kg (9.9 lb).
Order No: 726833

GST4, Tripod Star
For the secure set-up of tripods on slippery surfaces.
Order No: 332200

GHT43, Tripod Bracket
Adapter for mounting the TCPS radio on all tripods.
Order No: 734163

GHT58, Tripod Bracket
Adapter to mount the Leica GFU radios on all tripods.
Order No: 748417
**Tribrachs**

**PROFESSIONAL 5000**

**GDF321, Tribrach without Plummet**  
High accuracy, maintenance free tribrach. Individually tested. Suitable for all high angular accuracy requirements.  
Torsional stiffness < 1", weight 760 grams (1.72 lb).  
**Order No: 777508**

**GDF111-1, Tribrach without Plummet**  
Suitable for TPS instruments with an angular accuracy of greater than 3". The footscrews have a large diameter which permits fine adjustment even when wearing work gloves.  
Torsional stiffness < 3", weight 780 grams (1.72 lb).  
**Order No: 748888**

**GDF101, Tribrach without Plummet**  
Torsional stiffness < 5", weight 780 grams (1.72 lb).  
**Order No: 726839**

**PROFESSIONAL 3000**

**GDF322, Tribrach with Optical Plummet**  
High accuracy, maintenance free tribrach. Individually tested. The optical plummet is of robust construction, virtually eliminating the need for adjustment during the lifetime of the tribrach. Torsional stiffness < 1", weight 850 grams (1.90 lb).  
**Order No: 777509**

**GDF112-1, Tribrach with Optical Plummet**  
The tribrach and optical plummet are of robust construction and suitable for long period exposure in all environments. This makes the GDF112 ideal for GNSS and backsights and control points.  
Torsional stiffness < 3", weight 860 grams (1.90 lb).  
**Order No: 798181**

**GDF102, Tribrach with Optical Plummet**  
A cost effective tribrach with optical plummet for use in normal environments. Suitable for GNSS antennas.  
Torsional < 5", weight 860 grams (1.90 lb).  
**Order No: 726840**

**PROFESSIONAL 1000**

**ACCESSORIES FOR TRIBRACHES**

**GHM007, Height Meter**  
For quick and easy instrument height measurement. The specially scaled tape, accurately displays the height to the centre of the TPS telescope or prism centre. The GHT196 holder is additionally required.  
**Order No: 667718**

**GHT196, Holder for Height Meter**  
For attachment of the GHM007 height meter to any Leica Geosystems tribrach.  
**Order No: 722045**
# Carriers

## PROFESSIONAL 5000

### SNLL121, Precision Carrier with Laser Plummet

The laser provides convenient setting up even in conditions of poor visibility. Supplied with 4x AA-size alkaline batteries. Reflector centring accuracy 0.3 mm, plummet accuracy 1.0 mm at 1.5 m.

*Order No: 667316*

## PROFESSIONAL 3000

### GRT144, Carrier with Stub

Simple carrier for use in tribrachs with optical plummet. Suitable for reflectors with stub fitting.

- Centring accuracy 1.0 mm.
- *Order No: 667313*

### GRT146, Carrier with 5/8" Thread

Simple carrier for use in tribrachs with optical plummet. For direct fitting of GNSS antennas.

- Centring accuracy 1.0 mm.
- *Order No: 667216*

## ACCESSORIES FOR CARRIERS

### GAD31, Screw-to-Stub Adapter

For mounting of GNSS antennas to poles and carriers with stub.

*Order No: 667217*

### GZS4, Height Hook

Hook for positioning a tape measure directly below the tribrach. Connects to all Leica Geosystems carriers. To precisely measure the height of GNSS antennas and reflectors. With integrated tape measure graduated in mm and inches.

*Order No: 667244*
Standard-Reflectors

**PROFESSIONAL 5000**

**GPR121, Circular Prism with Holder**
Precision circular prism with anti-reflex coating, mounted in metal holder. Supplied with removable target plate. Centring accuracy 1.0mm, range 3500m.  
Order No: 641617

**PROFESSIONAL 3000**

**GPR111, Circular Prism with Holder**
Circular prism, sealed in red polymer holder. Large integrated target plate provides good visibility. Centring accuracy 2.0mm, range 2500m.  
Order No: 641618

**GPR113, Circular Prism with Holder**
Circular prism mounted in red polymer holder. Suitable for fitting of the 362823 GZT4 target plate. Centring accuracy 2.0mm, range 2500m.  
Order No: 753492

**PROFESSIONAL 1000**

**ACCESSORIES FOR STANDARD-REFLECTORS**

**GPR1, Circular Prism**
Precision circular prism with anti-reflex coating. Suitable for mounting in GPH1 and GPH3 holders. Centring accuracy 1.0mm, range 3500m.  
Order No: 362830

**GPH1, Prism Holder**
Holder for one GPR1 circular prism. The 362823 GZT4 target plate can be attached to this holder.  
Order No: 362820

**GPH3, Prism Holder**
Holder for three GPR1 circular prisms. Provides extremely long distance measuring range, up to 5400m with prism mode.  
Order No: 400080

**GZT4, Target Plate for GPH1**
Target plate, mountable on the GPH1 and GPR113 prism holder.  
Order No: 362823

**GRZ4, 360° Prism**
Suitable for all robotic TPS work performed with a survey pole. Large rubber mountings protect the prism. Overall 3D pointing accuracy of 5.0mm. When aiming on a side marked by a yellow arrow, an accuracy of better than 2.0mm can be achieved. ATR range of 600m (2000ft).  
Order No: 639985
Special-Reflectors

**PROFESSIONAL 5000**

**GPH1P, Precision Prism**
Precisely machined reflector, for high accuracy requirements. The prism diopter is slightly tilted to prevent any EDM reflection from the front surface, thereby increasing measurement accuracy. Centring accuracy 0.3 mm, range 3500 m. Order No: 555631

**PROFESSIONAL 3000**

**GPR112, Monitoring Prism**
Large diameter monitoring prism for long range measurements. For installation on M8 or 5/8” threaded bolts. Built-in filter prevents condensation on the reflecting surface. Rain/snow cover available separately, range 2500 m. Order No: 726295

**PROFESSIONAL 1000**

**GMP104, Monitoring Mini Prism**
Mini monitoring prism mounted in metal holder. Supplied with L-bar for fixed installations. The prism offset is dependant on the mounting position, range 2000 m (7000 ft). Order No: 641762

**ACCESSORIES FOR GPR112**

**GHT112, Mounting Set for GPR112**
Mounting set for GPR112 with M8 and 5/8” internal thread adapters, suitable for direct fixing systems on nearly every surface, prism is adjustable and fixable in two axes. Order No: 726296

**GDZ112, Rain Shelter for GPR112**
Rain shelter for Monitoring Mining Prism GPR112. Full availability of the prism even in rainy conditions. The rain shelter protects the prism front against rain drops and dust. Order No: 727406
Mini-Reflectors

PROFESSIONAL 5000

GMP101, Mini Prism Set
Mini prism mounted in metal holder. Includes a circular bubble, removable target plate, spike and padded bag. Prism constant of +17.5 mm, Centring accuracy 1.0 mm, range 2000 m (7000 ft).
Order No: 641662

PROFESSIONAL 3000

GMP111, Mini Prism with Holder
Mini prism mounted in polymer holder with 1/4” thread fittings. Includes circular bubble, GLS115 four-section pole and point. Prism constant of +17.5 mm, range 2000 m (7000 ft).
Order No: 641615

ACCESSORIES FOR MINI REFLECTORS

GAD103, Mini Prism Adapter
Adapter for attaching the GRZ101 to poles and carriers with stub. Provides the same height offset as for standard reflectors.
Order No: 742006

GAD105, Mini Prism Adapter
Adapter for attaching the GMP111, GMP111-0 to poles and carriers with stub. Provides the same height offset as for standard reflectors.
Order No: 743503

GRZ101, 360° Mini Reflector
Suitable for short range ATR applications. Due to its small size, the GRZ101 provides the greatest pointing accuracy of 1.5 mm. With the GAD103 adapter, this reflector can be mounted on all poles with stub fitting. ATR range of 350 m (1150 ft).
Order No: 644327

GMP111-0, Mini Prism with Holder
Mini prism mounted in polymer holder with 1/4” thread fittings. Includes circular bubble, GLS115 four-section pole and point. Leica 0-prism constant, max. IR range of 2000 m (7000 ft).
Order No: 642534

GMP112, Hidden Point Pole
Hidden Point Pole extension for GMP111. Includes mini reflector and 30 cm adapter pole. Provides prism separation of 40, 70 and 100 cm.
Order No: 742329

GVP608, Soft Bag
Bag for GMP111, GMP111-0, GRZ101 mini prisms and the GLS115 pole set.
Order No: 642344
Containers & Bags

HARD-TOP CASES

GVP609, Container for Accessory
For 2 reflectors (GPR121, GPR111, GPH1 with GPR1, GR24 or GPH1P), 2 carriers (GZR3, SNLL121, GZR103 or GRT144), 2 tribrachs (all types), GZT4 target plate and GHM007 height meter.
Order No: 667451

GVP641, Container for GS15 Base and Rover
2x GS15 GNSS SmartAntennas and CS15/CS10 field controller. For the transport of a GS15 base station and GS15 rover with all accessories.
Order No: 767827

GVP642, Container for GS15 SmartPole and Station
For GS15 SmartAntenna and CS15/CS10 field controller. For the transport of a GS15 rover, all accessories, SmartStation and SmartPole.
Order No: 767828

GVP646, Container for GS10
For GS10 receiver, antenna and CS15/CS10 field controller. Allows a GS10 receiver and all accessories for a base station to be transported.
Order No: 770706

GVP654, Container for CS10/15 and GS05/06
For 2 CS10/CS15 field controller with or without GS05/GS06 receivers and external GNSS antenna. For the transport of a complete GNSS Station Setup including accessories.
Order No: 770709

GVP656, Container for SmartPole and Station
For GS08plus/GS12/GS14 SmartAntenna, CS10/15 controller and accessories. For SmartPole and SmartStation set-up.
Order No: 782384

GVP659, Container for Base and Rover
For 2 GS08plus/GS12/GS14 SmartAntennas, CS10/15 controller and accessories. For set-up Base and Rover
Order No: 791695

GVP660, Container for TPS Robotic
Small-sized hard container for 360° prism and controller for TPS Robotic Pole set-up.
Order No: 791696

GVP661, Container for GNSS
Small-sized hard container for GNSS SmartAntenna, CS10 controller and accessories.
Order No: 791697

GVP708, Container for GS14 Rover
For GS08plus/GS12/GS14 SmartAntenna, CS10/15 controller and accessories.
Order No: 795992

Sample picture
Containers & Bags

BACKPACKS, BAGS

GVP643, Soft Bag for CS10 Field Controller
Soft bag for CS10 field controller for transportation and protection against dirt. Including belt loop.
Order No: 767904

GVP703, Soft Bag
Padded bag for accessories, controller, radios or tablet PC CS25.
Order No: 790314

GVP102, Soft Bag for Prism Station
Soft bag with shoulder strap, for prism station, consist of tribrach, prism carrier or laser plummet and prism.
Order No: 727589

GVP644, Soft Bag for CS15 Field Controller
Soft bag for CS15 field controller for transportation and protection against dirt. Including belt loop.
Order No: 767905

GVP647, Minipack for GNSS receiver
Minipack, for GS10 receiver, allows carrying GNSS receiver and RTK devices in a most ergonomic way on the back.
Order No: 770707

ACCESSORIES FOR CONTAINERS

GDZ66, Back Strap
Set of two back straps, for all containers with suitable mountings. The container can still be opened while the straps are attached.
Order No: 744501
Reflector Poles

GLS12, Telescopic Pole
Pole with snap locks to prevent any pole slip. Suitable for the GRZ122 reflector together with GS09 antenna. Graduated in cm, min. length 1.39 m, extendible to 2.0 m, weight 950 grams.
Order No: 754391

GLS12F, Telescopic Pole
Pole with snap locks to prevent any pole slip. Suitable for the GRZ122 reflector together with GS09 antenna. Graduated in ft, min. length 4.56 ft, extendible to 6.56 ft, weight 2.09 lb.
Order No: 754389

GLS14, Mini Pole
Mini reflector pole for exact positioning of the reflector over a survey mark. Provides a prism height of 20 cm (0.66 ft).
Order No: 403427

GLS11, Telescopic Pole
Reflector pole with quick release clamp for easy and rapid height adjustment. Graduated in cm and ft, min. length 1.24 m (4.07 ft), extendible to 2.15 m (7.05 ft), weight 940 g (2.07 lb).
Order No: 385500

GLS111, Telescopic Pole
Heavy duty reflector pole with red/white markings for high visibility. Twist lock provides easy and secure tightening. Graduated in cm and ft, min. length 1.40 m (4.59 ft), extendible to 2.60 m (8.53 ft), weight 1.48 kg (3.26 lb).
Order No: 667309

GLS112, Telescopic Pole
Heavy duty reflector pole with red/white markings for high visibility. Twist lock provides easy and secure tightening. Graduated in cm and ft, min. length 1.47 m (4.82 ft), extendible to 3.60 m (11.81 ft), weight 1.88 kg (4.14 lb).
Order No: 667310

GLS105, Telescopic Pole
Reflector pole with twist- and snap locks to prevent any pole slip. With 1/4” thread for mounting of GMP111 and GPR105 reflectors. Min. length 1.28 m (4.20 ft), extendible to 2.11 m (6.92 ft), weight 890 g (1.96 lb).
Order No: 748967

GLS115, Mini Pole
Set of four screw-together sections and point with 1/4” threads. Suitable for GMP111, GRZ101 and GPR105 reflectors. Provides prism heights of 10, 40, 70, 100 or 130 cm. For prisms without bubble a additional clip on bubble is available. (GLI115, 747895)
Order No: 642106
GNSS Poles

**PROFESSIONAL 5000**

**GLS30, Telescopic Carbon Fibre GNSS Pole**
Carbon fibre pole with snap lock at 2.00m (6.56 ft) and 1.80m (5.91 ft) for rapid setup. Min. length 1.36m (4.46 ft), light weight at 700g (1.55 lb).
Order No: 752292

**GLS31, Telescopic Carbon Fibre SmartPole**
Carbon fibre pole with snap lock at 2.00m, 1.80m and 1.50m for GRZ122 360° prism and GNSS antenna. Min. length 1.36m (4.46 ft), light weight at 700g (1.55 lb). Order No: 766359

**PROFESSIONAL 3000**

**GLS12, Telescopic Aluminium SmartPole**
Pole with snap locks to prevent any pole slip. Suitable for the GRZ122 360° prism and GS09 antenna. Graduated in cm, min. length 1.39m, extendible to 2.0m, weight 950 grams.
Order No: 754391

**GLS13, Telescopic Aluminium GNSS Pole**
Aluminium GNSS pole with 5/8" screw. Snap locks at 1.80m and 2.00m. Includes circular bubble. Min. length, 1.39m. weight 950g. Order No: 768226

**ACCESSORIES FOR GNSS POLES**

**GAD108, Arm for UHF,GSM Antenna to GS15**
Arm to mount external UHF/GSM antenna to GS15 SmartAntenna, useful in areas of poor radio or cellphone network reception. Gainflex antenna fits on arm.
Order No: 767790

**GAD33, Arm 15 cm for UHF/GSM Antenna**
Arm 15 cm long, attaches to GNSS antenna. Gainflex antenna fits on arm. Antenna cable connects to arm.
Order No: 667219

**GAD34, Arm 3 cm for UHF/GSM Antenna**
Arm 3 cm long, screws on telescopic rod with 5/8" screw. UHF/GSM antenna fits on arm. Antenna cable connects to arm.
Order No: 667220

**GAD46, Double Arm for UHF/GSM Antennas**
Double arm adapter, screws on telescopic rod. Allows to connect up to 2 UHF/GSM antennas and up to 2 antenna cables on arm.
Order No: 734388
Accessories for Reflector Poles

**GSR2, Dual Strut Support**
With 2 telescopic legs, for rapid set-up of ∅ 25 mm poles.
Order No: 555720

**GHT62, Holder for Field Controller**
Adjustable pole holder for Leica Viva field controller.
Order No: 767879

**GHT36, Base for Telescopic Rod on Tripod**
Base with 5/8 inch screw, for setting up telescopic rod on tripod.
Order No: 667236

**GSR111, Dual Strut Support**
With 2 telescopic legs, for rapid set-up. Suitable for poles of all diameters.
Order No: 667319

**GHT64, Holder for GFU or GSM Modems**
Holds GFU or GSM Modems with strong hook and loop fastener. Mountable on all GNSS poles.
Order No: 767896

**GHT63, Poleclamp for Field Controller Holder**
Poleclamp to attach a holder GHT39, GHT56 or GHT62 to every telescopic pole. Order No: 767880

**GST6, Quickstand**
With 3 telescopic legs, provides an extremely stable support for ∅ 25 mm poles.
Order No: 560138

**GZW12, TPS Pole Extension**
Extends all poles with stub fitting, by 1.00 m (3.28 ft).
Order No: 403428

**GLS18, GNSS Pole Extension**
Extends all poles with 5/8” thread by 1.00 m (3.25 ft).
Order No: 667222

**GHT65, Tripodholder for CS**
For attaching a CS10 or CS15 to a tripod.
Order No: 795129
DNA Levelling Staffs

**PROFESSIONAL 5000**

**GPCL2, Invar Staff with Bar Code**
Precision levelling staff with 2 circular bubbles. The two attached handles provide steady positioning. Length 2.0m (5.56 ft), weight 4.2 kg (9.3 lb).  
*Order No: 563659*

**GPCL3, Invar Staff with Bar Code**
Precision levelling staff with 2 circular bubbles. The two attached handles provide steady positioning. Length 3.0m (9.84 ft), weight 4.9 kg (10.8 lb).  
*Order No: 560271*

**GPCL3, Invar Staff with Certificates**
Precision staff, individually measured for accuracy. Supplied with expansion co-efficient and length calibration certificates. Length 3.0m (9.84 ft), weight 4.9 kg (10.8 lb).  
*Order No: 560274*

**GWCL92, Invar Staff with Bar Code**
Light-weight staff with circular bubble. Interchangeable edge or pin base, suitable for industrial applications. Length 92 cm (3.02 ft), weight 1.7 kg (3.7 lb).  
*Order No: 632313*

**GWCL60, Invar Scale with Bar Code**
Invar scale with screw holes allow for attachment directly to structures. Ideal for long-term height monitoring applications. Dimensions of 600x25x1.5 mm, for measuring range of 1.8 – 20 m (6 – 65 ft).  
*Order No: 563733*

**GT4M, Telescopic Fiberglass Staff**
Four-section telescopic staff. Dual measuring faces with bar code and mm graduations. Incl. transport bag. Length 1.2 m (3.94 ft) to 4.0 m (13.12 ft), weight 2.2 kg (4.9 lb), coefficient of expansion 10 ppm/°C.  
*Order No: 757761*

**GT4C, Telescopic Aluminium Staff**
Four-section telescopic staff. Dual measuring faces with bar code and mm graduations. Incl. transport bag. Length 1.2 m (3.94 ft) to 4.0 m (13.12 ft), weight 1.8 kg (4.0 lb), coefficient of expansion 24 ppm/°C.  
*Order No: 667113*

**GKNL4M, Sectioned Fiberglass Staff**
3 connectable sections. Dual measuring faces with bar code and cm graduations. Incl. transport bag and 2 handles. Length 1.6 m to 4.0 m, weight 4.4 kg, coefficient of expansion 10 ppm/°C.  
*Order No: 522794*

**GKNL4F, Sectioned Fibreglass Staff**
Levelling staff in 3 connectable sections. Dual measuring faces with bar code and ft graduations. Incl. transport bag and 2 handles. Length 5.18 ft to 13.12 ft, weight 9.7 lb, coefficient of expansion 10 ppm/°C.  
*Order No: 522793*
Data Storage

MEMORY CARDS AND CARD READERS

MCF256, CompactFlash Card 256MB
Compact Flash memory card. Capacity 256MB. These rugged industrial cards protect data even when dropped and in extreme environmental conditions.  
Order No: 733257

MCF1000, CompactFlash Card 1 GB
Compact Flash memory card. Capacity 1 GB. These rugged industrial cards protect data even when dropped and in extreme environmental conditions.  
Order No: 745995

MCR7, USB Card Reader for SD and CF Cards
Omnidrive card reader for SD and CF cards. Guaranteed secure data transfers with USB connection to all PC operating systems.  
Order No: 767895

MSD1000, SD Memory Card 1 GB
Secure Digital memory card. Capacity 1 GB. These rugged industrial cards protect data even when dropped and in extreme environmental conditions.  
Order No: 767856

MSD08, Industrial Grade SD Memory Card 8 GB
Secure Digital memory card. Capacity 8 GB. These rugged industrial cards protect data even when dropped and in extreme environmental conditions.  
Order No: 789139

MCR8, USB Card Reader for SD, CF and SRAM Cards
Omnidrive card reader for SD, CF and SRAM cards. Secure data transfers with USB connection to all PC operating systems. CF cards only with MCFAD1 useable.  
Order No: 776240

MCFAD1, CF-Card Adapter
Adapts a CompactFlash card to PCMCIA size. Allows use of the 32 MB CF-card in DNA, GPS500 and TPS1100 instruments.  
Order No: 733258

MS1, 1 GB USB Memory Stick
Rugged USB-Stick in metal housing. Industrial standard with highest data security and reliability at extreme environmental conditions.  
Order No: 765199

MSD, Micro SD Memory Card 1GB
Micro secure digital card. Capacity 1GB. These rugged industrial cards protect data even when dropped and in extreme environmental conditions.  
Order No: 795993
Eyepieces

**GFZ4T, Diagonal Eyepiece**
For comfortable observations of steep sights, up to the zenith. With thread connection. Fits only for Flexline plus TS02+. No counterweight needed.
*Order No: 793978*

**GFZ3, Diagonal Eyepiece**
For comfortable observations of steep sights, up to the zenith. Fits all TPS instruments except TS02+. Includes objective counterweight.
*Order No: 793979*

**GOK6, Diagonal Eyepiece**
For comfortable observations of steep sights, up to 66°. Has a variable joint for the adjusting the sighting angle. Fits all TPS instruments. Includes objective counterweight. *Order No: 376236*

**GVO13, Solar Filter**
Attaches to the objective of all TPS instruments. Protects eyesight and EDM electronics when sighting bright objects.
*Order No: 743504*

**GOA2, Autocollimation Eyepiece**
To perform autocollimation with any TPS instrument. The 394787 GEB62 Plug-in Lamp and 394792 GEB63 Battery Box are additionally required.
*Order No: 199899*

**FOK53, Magnification Eyepiece**
Exchangeable eyepiece for increasing telescope magnification to 42x
(Requires fitting by a Leica Geosystems Service Centre).
*Order No: 377802*

**GSK1, Set cover for eyepiece and lens**
Fits all TPS Instruments.
*Order No: 799220*
**Radio Accessories**

### ACCESSORIES FOR HPR2 RADIOS

**GST74 Antenna mast including tripod**
Aluminium tripod with a telescopic mast to extend the antenna height up to 5m. Includes a bag and ropes with hooks.
Order No: 806098

**GVP712 Container for HPR2 High Power Radio**
Small black waterproof container. Holds a HPR2 radio and cables.
Order No: 806097

**GVP711 Softbag for Battery**
Soft bag which can hold a battery. Includes a cable kit with SAE connectors to connect to GEV272 power cable.
Order No: 806096

**GAD117 Adapter antenna to mast**
Adapter for mounting the GAT23 or GAT24 antenna to the top of GST74. Includes 5m cable.
Order No: 806101

**GAT23 UHF Antenna 430-450Mhz**
UHF whip antenna for 430-450MHz frequency range, 5 db gain
Order No: 806099

**GAT24 UHF Antenna 450-470Mhz**
UHF whip antenna for 450-470MHz frequency range, 5 db gain
Order No: 806100

### ACCESSORIES FOR LEICA VIVA FIELD CONTROLLER AND TOTALSTATION

**CCS01, Docking Station for Leica Viva Field Controller**
For easy charging and data transfer to PC. CS field controller with attached holder can be placed into the docking station. Includes USB data transfer cable.
Order No: 767906

**GHT61, Hand Strap for Leica Viva Field Controller**
Hand strap for field controller with utility hook for attaching to a belt or tripod.
Order No: 767877

**SPF01, Screen protection foil**
for CS10/15
Order No: 767907

**SPF03, Screen protection foil**
for TPS1200/TS12/TS30/TM30
Order No: 799658

**SPF04, Screen protection foil**
for TS09/TS11/TS15/TS50/MS50
Order No: 799660
Each set contains 2 foils and micro fiber cleaning cloth.
## Chargers

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Order No.</th>
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| GKL341 | Charging Station  
Intelligent charging ensures long battery life. Possible to charge up to 4 batteries simultaneously. Includes country specific mains connection. | 799187 |
| GKL311 | Battery Charger  
Easy-to-use, low cost charger for GEB211, 212, 221, 222, 241, 242 Li-on batteries. Includes car adapter cable. | 799185 |
| GKL32 | Battery Charger  
Charges one battery with 5-pin charging socket. Including GEB171. | 785703 |
| PROFESSIONAL 1000 | - | - |
| GKL112 | Battery Charger  
Simple, low-cost charger for GEB121 and GEB111 NiMh batteries. Includes car adapter cable. | 734753 |
| GDC221 | Car Adapter Cable  
For connecting the GKL221 to a 12V – 24V power source, at the cigarette lighter socket. Built-in electronics protect the charger from power surges. | 734389 |
| GEV235, AC/DC-Adapter for Leica Viva Field Controller  
AC/DC-adapter, power supply for Leica Viva field controller. | 767900 |
| GEV235, AC/DC-Adapter for EU | Order No: 767900 |
| GEV235, AC/DC-Adapter for US | Order No: 773753 |
| GEV235, AC/DC-Adapter for JP | Order No: 773754 |
| GEV235, AC/DC-Adapter for UK | Order No: 773755 |
| GEV235, AC/DC-Adapter for AUS | Order No: 773756 |
## Batteries

### INTERNAL BATTERIES

<table>
<thead>
<tr>
<th>Battery</th>
<th>Description</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB242</td>
<td>Li-Ion Battery for TM50/TS50 and MS50 Instruments, 14.8V/5.8Ah</td>
<td>793975</td>
</tr>
<tr>
<td>GEB222</td>
<td>Li-Ion Battery with extended capacity for all TS11/12/15 and flexline instruments, GS10 GNSS receivers and Piper 100/200, 7.4V/6.0Ah</td>
<td>793973</td>
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<tr>
<td>GEB221</td>
<td>Li-Ion Battery for all TS11/12/15 and Flexline instruments, GS10 GNSS receivers and Piper 100/200, 7.4V/4.4Ah</td>
<td>733270</td>
</tr>
<tr>
<td>GEB212</td>
<td>Li-Ionen Battery with extended capacity for field controller and GNSS receiver, 7.4V/2.6Ah.</td>
<td>772806</td>
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<tr>
<td>GEB121</td>
<td>NiMH Battery for TPS400/800 and DNA instruments, 6.0V/4.2Ah.</td>
<td>667123</td>
</tr>
<tr>
<td>GEB111</td>
<td>NiMH Battery for TPS400/800 and DNA instruments, 6.0V/2.1Ah.</td>
<td>667318</td>
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### EXTERNAL BATTERIES

<table>
<thead>
<tr>
<th>Battery</th>
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<tbody>
<tr>
<td>GEB171</td>
<td>External NiMH Battery for set-ups over long periods, 12V/9.0Ah. With 5-pin charging socket. Weight 2.0kg (4.4lb).</td>
<td>727367</td>
</tr>
<tr>
<td>GEV270</td>
<td>Power Supply - Mains adapter for uninterrupted power supply. Connects to all Leica Geosystems power cables. Country specific mains cable included. AC input 100V–240V.</td>
<td>807696</td>
</tr>
<tr>
<td>GEV71</td>
<td>Power Cable - 4m cable for 12V battery power supply. Protects the instrument from damage due to pole reversal and voltage peaks.</td>
<td>439038</td>
</tr>
</tbody>
</table>
## Cable

<table>
<thead>
<tr>
<th>DEVICE</th>
<th>INSTRUMENT</th>
<th>ART.</th>
<th>SIGN</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>GEB171 or GEV208</td>
<td>TS02/06/09/11/12/15/DNA</td>
<td>409678</td>
<td>GEV52</td>
<td>Power cable, 1.8m, connects instrument to external battery</td>
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<tr>
<td></td>
<td>CS10</td>
<td>560130</td>
<td>GEV97</td>
<td>Power cable, 1.8m, connects instrument to external battery</td>
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<td></td>
<td>GRX1200/GS10/GS15</td>
<td>732298</td>
<td>GEV172</td>
<td>Y-cable, 2.8m, connects instrument with two external power supplies</td>
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<td>CS09/GS09</td>
<td>756365</td>
<td>GEV215</td>
<td>Y-cable, 2.0m, connects instrument to battery</td>
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<td></td>
<td>GS09/GS15</td>
<td>786418</td>
<td>GEV205</td>
<td>Y-cable, 1.8m, connects instrument to GFU – battery</td>
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<tr>
<td></td>
<td>TS50/GS15/CS10*/CS15*</td>
<td>758469</td>
<td>GEV219</td>
<td>Power cable, 1.8m, connects instrument to external battery</td>
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<td></td>
<td>CS14</td>
<td>796492</td>
<td>GEV264</td>
<td>Y-cable, 1.8m, connects instrument to GFU – battery</td>
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<tr>
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<td>CS14 TS/TM/MS50</td>
<td>793164</td>
<td>GEV261</td>
<td>Y-cable, 1.8m, connects instrument to PC – battery</td>
</tr>
<tr>
<td>12V car battery</td>
<td>All instruments</td>
<td>439038</td>
<td>GEV71</td>
<td>Power cable, 4m, connects all battery cables to 12V car battery</td>
</tr>
<tr>
<td>PC-RS232 Port</td>
<td>TS02/06/09/11/12/15/DNA</td>
<td>562625</td>
<td>GEV102</td>
<td>Data cable, 2m, connects instrument to PC (RS232)</td>
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<tr>
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<td>TS02/06/09/11/12/15/DNA</td>
<td>734698</td>
<td>GEV187</td>
<td>Y-cable, 2m, connects instrument to PC – battery</td>
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<tr>
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<td>GRX1200/GS10/GS15</td>
<td>733280</td>
<td>GEV160</td>
<td>Data cable, 2.8m, connects GX port 1, 2, 3, (port 3 not for GS15) to PC (RS232)</td>
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<tr>
<td></td>
<td>TS/TM/MS50/GS10/GS15/CS10*/CS15*</td>
<td>733282</td>
<td>GEV162</td>
<td>Data cable, 2.8m, connects instrument to PC (RS232)</td>
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<tr>
<td></td>
<td>GFU14</td>
<td>733297</td>
<td>GEV171</td>
<td>Y-program cable, 1.8m, for the Satelline 3AS radio modem inside the GFU14 housing</td>
</tr>
<tr>
<td></td>
<td>SLR1/2/3</td>
<td>767803</td>
<td>GEV231</td>
<td>Program adapter cable, 1.8m, for SLR radios</td>
</tr>
<tr>
<td></td>
<td>TS30/GS15/GS10</td>
<td>759257</td>
<td>GEV220</td>
<td>Y-cable, 1.8m, connects TS30/GS-RS232 battery</td>
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<tr>
<td></td>
<td>CS14 TS/TM/MS50</td>
<td>793164</td>
<td>GEV261</td>
<td>Y-cable, 1.8m, connects instrument to PC – battery</td>
</tr>
<tr>
<td>PC-USB port</td>
<td>TS02/06/09/11/12/15/DNA</td>
<td>806903</td>
<td>GEV267</td>
<td>Serial Data transfer cable, 2m, TS/TPS/DNA Lemo to USB</td>
</tr>
<tr>
<td></td>
<td>GRX1200/GS10/GS15</td>
<td>806904</td>
<td>GEV268</td>
<td>Serial Data transfer cable, 2m, connects GX port 1, 2, 3, (port 3 not for GS15) to PC</td>
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<tr>
<td></td>
<td>TS/TM/MS50/GS10/GS15/CS10*/CS15*</td>
<td>806905</td>
<td>GEV269</td>
<td>Serial Data transfer cable, 2m, connects instrument to USB</td>
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<tr>
<td></td>
<td>GS10/GS15/CS10/CS15/GS09/CS09</td>
<td>767899</td>
<td>GEV234</td>
<td>USB data cable, 1.65m, connects CS to GS or CS to PC (USB)</td>
</tr>
<tr>
<td></td>
<td>TS02/06/09/11/12/15/CS10**/CS15**</td>
<td>766740</td>
<td>GEV223</td>
<td>USB Data cable, 1.8m, connects instrument to Mini-USB to USB</td>
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<tr>
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<td>CS14 TS/TM/MS50</td>
<td>793164</td>
<td>GEV261</td>
<td>Y-cable, 1.8m, connects instrument to PC – battery</td>
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<tr>
<td>CS09/RX1210</td>
<td>GRX1200/GX1200</td>
<td>733283</td>
<td>GEV163</td>
<td>Data transfer cable, 1.8m, connects RX port to GRX1200/GX1200</td>
</tr>
<tr>
<td>CS10/CS15</td>
<td>TPS1200</td>
<td>756367</td>
<td>GEV217</td>
<td>Data transfer cable, 1.8m, connects CS10/15 to TPS1200</td>
</tr>
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<td>GS15/GS10</td>
<td>767899</td>
<td>GEV234</td>
<td>USB data cable, 1.65m, connects CS to GS or CS to PC (USB)</td>
</tr>
<tr>
<td>CS10*/CS15*</td>
<td>GS15/GS10/CS09</td>
<td>772807</td>
<td>GEV237</td>
<td>USB data cable, 1.65m, connects instrument to CS Lemo</td>
</tr>
</tbody>
</table>

* with Lemo connector module
** with Mini USB connector module
# Cable

<table>
<thead>
<tr>
<th>DEVICE</th>
<th>INSTRUMENT</th>
<th>ART.</th>
<th>SIGN</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>TCPS</td>
<td>TS/TM/MSS0</td>
<td>771057</td>
<td>GEV236</td>
<td>Y-cable, 1.8m, connects TS30 – TCPS – battery</td>
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<tr>
<td></td>
<td>TS11/TS15</td>
<td>734697</td>
<td>GEV186</td>
<td>Y-cable, 1.8m, connects TCPS – TS11/15 – battery</td>
</tr>
<tr>
<td>Satelline 3A</td>
<td>GS15/GS10/TPS1200</td>
<td>639968</td>
<td>GEV125</td>
<td>Data transfer cable, 1.8m, connects Satelline radio w/o housing</td>
</tr>
<tr>
<td>Satelline 3A</td>
<td>GS09/GS10/GS14/GS15/GRX1200</td>
<td>762026</td>
<td>GEV221</td>
<td>Y-cable, 2m, connects Satel – GS/GX – battery</td>
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<tr>
<td>Satelline 3A</td>
<td>GS09/GS10/GS14/GS15/GRX1200</td>
<td>817713</td>
<td>GEV275</td>
<td>Connects Satelline to GS, for GS09 a GEV205 is additionally required</td>
</tr>
<tr>
<td>Satelline 3A</td>
<td>GS09/GS10/GS14/GS15/GRX1200</td>
<td>811818</td>
<td>GEV274</td>
<td>Y-cable 2.8m connects Satelline – GS – SAE adapter</td>
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<tr>
<td>Satelline 3A</td>
<td>GVP711</td>
<td>809028</td>
<td>GEV272</td>
<td>Y-cable 2.8m connects Satelline – GS – SAE adapter</td>
</tr>
<tr>
<td>Satelline 3A</td>
<td>PC RS232</td>
<td>809029</td>
<td>GEV273</td>
<td>Programming cable RS232</td>
</tr>
<tr>
<td>System 1200 GFU</td>
<td>GS09/GS15</td>
<td>748418</td>
<td>GEV205</td>
<td>Y-cable, 1.8m, connects instrument – GFU – Batterie</td>
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<tr>
<td></td>
<td>GS15/System500 GPS</td>
<td>767898</td>
<td>GEV233</td>
<td>Data cable, 0.8m, connects instrument to GFU</td>
</tr>
<tr>
<td></td>
<td>GS15/System500 GPS</td>
<td>767897</td>
<td>GEV232</td>
<td>Data cable, 2.8m, connects instrument to GFU</td>
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<tr>
<td>System 500 GFU</td>
<td>TPS1200/GS10/GS15/GRX1200</td>
<td>767897</td>
<td>GEV232</td>
<td>2.8m, connects System 500 GFU housings</td>
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<td>TPS1200/GS10/GS15/GRX1200</td>
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<td>GEV233</td>
<td>0.8m, connects System 500 GFU housings</td>
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<td>External Modem</td>
<td>GRX1200/GS10/GS15</td>
<td>563809</td>
<td>GEV113</td>
<td>Data cable, 2.8m, connects GX port 1, 2, 3, (port 3 not for GS15) to modem</td>
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<tr>
<td>Time mark receiver</td>
<td>GX/GRX1200</td>
<td>667744</td>
<td>GEV150</td>
<td>PPS output cable, 2m</td>
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<td>External GNSS antenna*</td>
<td>GRX1200/GS10</td>
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<td>GEV141</td>
<td>antenna cable, 1.2m</td>
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<td>GRX1200/GS10</td>
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<td>External antenna</td>
<td>GS05/06</td>
<td>772002</td>
<td>GEV238</td>
<td>antenna cable, 1.2m</td>
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*or external Gainflex UHF/GSM Radio ant.
## Accessories overview

### TRIPODS

<table>
<thead>
<tr>
<th>TPS</th>
<th>1&quot;</th>
<th>2&quot;</th>
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<td>Prism Setups on Control Points</td>
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### TRIBRACHS

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### PRISMS

<table>
<thead>
<tr>
<th>Model</th>
<th>Centring accuracy</th>
<th>Prisms constant</th>
<th>Antireflex-coating</th>
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</thead>
<tbody>
<tr>
<td><strong>Professional 5000</strong> Standard-Reflectors</td>
<td>GPR111</td>
<td>2.0 mm</td>
<td>0</td>
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<tr>
<td>GPR112</td>
<td>+7.1 mm</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>GRZ4</td>
<td>2.0 mm</td>
<td>+23.1 mm</td>
<td>yes</td>
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<tr>
<td><strong>Special-Reflectors</strong></td>
<td>GPR111</td>
<td>1.0 mm</td>
<td>0</td>
</tr>
<tr>
<td>GPR112</td>
<td>+7.1 mm</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td><strong>Mini-Reflectors</strong></td>
<td>Mini GMP101</td>
<td>1.0 mm</td>
<td>+17.5 mm</td>
</tr>
<tr>
<td>GRZ101</td>
<td>2.0 mm</td>
<td>+30 mm</td>
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<tr>
<td><strong>Professional 3000</strong> Standard-Reflectors</td>
<td>GPR111</td>
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<tr>
<td><strong>Special-Reflectors</strong></td>
<td>GPR111</td>
<td>+8.9 mm</td>
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<tr>
<td><strong>Professional 1000</strong> Standard-Reflectors</td>
<td>GPR111</td>
<td>2.0 mm</td>
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</tr>
</tbody>
</table>

*Due to flexible mounting mechanisms no centring accuracy can be specified for monitoring prisms.*
Perfect Compatibility of the Accessories

Leica Geosystems instruments and Leica Geosystems accessories are perfectly aligned to each other and constitute a finely tuned package. In order to achieve the individually required accuracy, it is always necessary to consider the accuracy of the instrument and accessory system as a whole.

Transparent choice for your individual requirements
On the table overleaf you will find an overview of Leica Geosystems instruments and the accessories recommended for them. Please consider our recommendations when selecting your tripod, tribrach and prisms, as well as electric and electronic accessories.

The table can be simply folded out. It is then always visible as the product pages and product descriptions are reviewed, helping to make your selection easier.
Whether you want to monitor a bridge or a volcano, survey a skyscraper or a tunnel, stake out a construction site or perform control measurements – you need reliable equipment. With Leica Geosystems original accessories, you can tackle demanding tasks. Our accessories ensure that the specifications of the Leica Geosystems instruments are met. Therefore you can rely on their accuracy, quality and long life. They ensure precise and reliable measurements and that you get the most from your Leica Geosystems instrument.

- when it has to be right.