Original Accessories

Leica Geosystems
Original Accessories
Material matters

TopoSat

Offre TopoSat sur demande

Catalogue 2015

PART OF HEXAGON

- when it has to be **right**

Leica
Geosystems

Leica Geosystems
Original Accessories
Contents

Tripods

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

PROFESSIONAL 3000

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

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

PROFESSIONAL 1000

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

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

ACCESSORIES FOR TRIPODS

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

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
A cost effective tribrach suitable for use in normal environments. Suitable for all light-weight instruments of low angular accuracy. Black colour.
Torsional stiffness < 5",
weight 780 grams (1.72 lb).
Order No: 726839

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 840 grams (1.48 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

ACCESSORIES FOR TRIBRACHS

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

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

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

GZR3, Precision Carrier with Optical Plummet
With high accuracy optical plummet and longitudinal bubble for exact positioning over measurement points. Reflector centring accuracy 0.3 mm, plummet accuracy 0.5 mm at 1.5 m.
Order No: 428340

GZR103, Carrier with Optical Plummet
Rotatable carrier with longitudinal bubble for use in tribrachs without plummet. Reflector centring accuracy 1.0 mm, plummet accuracy 0.5 mm at 1.5 m.
Order No: 725566

GRT247, Carrier with 5/8" Thread for GS15
Simple carrier for use in tribrachs with optical plummet. For direct fitting of GS15 GNSS receiver. Centring accuracy 1.0 mm.
Order No: 770715

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

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

GPR111, Circular Prism with Holder
Circular prism, sealed in red polymer holder. Large integrated target plate provides good visibility. Centring accuracy 2.0 mm, range 2500 m.
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 2.0 mm, range 2500 m.
Order No: 753492

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

ACCESSORIES FOR STANDARD-REFLECTORS

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 5400 m with prism mode.
Order No: 400080

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 5.0 mm. When aiming on a side marked by a yellow arrow, an accuracy of better than 2.0 mm can be achieved. ATR range of 600m (2000 ft). **Order No: 639985**

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

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 seperately, 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).
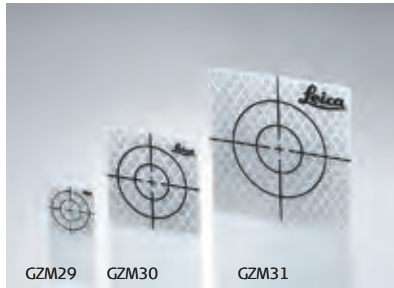**Order No: 641762**

GRZ122, 360° Prism
The high performance GRZ122 allows connectivity to the Leica SmartAntenna. The built-in point allows the reflector to be positioned directly on a survey mark, at a height of 78 mm. Overall 3D pointing accuracy is 2.0 mm. ATR range of 600 m.
Order No: 754384

GZM29   GZM30   GZM31

GZM29/30/31, Reflective Tapes
Self-adhesive, reflective tapes supplied in pack of 20 pieces.
GZM29, 20 x 20 mm, for measurements up to 100 m (330 ft). **Order No: 763532**
GZM30, 40 x 40 mm, for measurements up to 200 m (650 ft). **Order No: 763533**
GZM31, 60 x 60 mm, for measurements up to 250 m (800 ft). **Order No: 763534**

GPR105, Double Sided Reflector
This unique reflector provides two back-to-back prisms, both with 0-constant. With 1/4" fitting, suitable for mounting on GLS105 reflector pole, range 250 m (800 ft).
Order No: 731346

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

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

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, 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

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

ACCESSORIES FOR MINI REFLECTORS

GAD103, Mini Prism Adaptor
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

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

sample picture

GVP609, Container for Accessory
For 2 reflectors (GPR121, GPR111, GPH1 with GPR1, GRZ4 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

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   GLS12F

GLS11   GLS111   GLS112

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

GLS30   GLS31

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

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

ACCESSORIES FOR GNSS POLES

GAD32, Telescopic Rod
Telescopic rod with 5/8" screw. Fits in 667137 GVP603 backpack, for Radio and GNSS antenna mounting. Can be secured on a tripod using the 667236 GHT36 adapter. **Order No: 667228**

GLS12   GLS13

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 1.39 m, extendible to 2.0 m, weight 950 grams. **Order No: 754391**

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

ACCESSORIES FOR EXT. ANTENNAS

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 receiption. 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
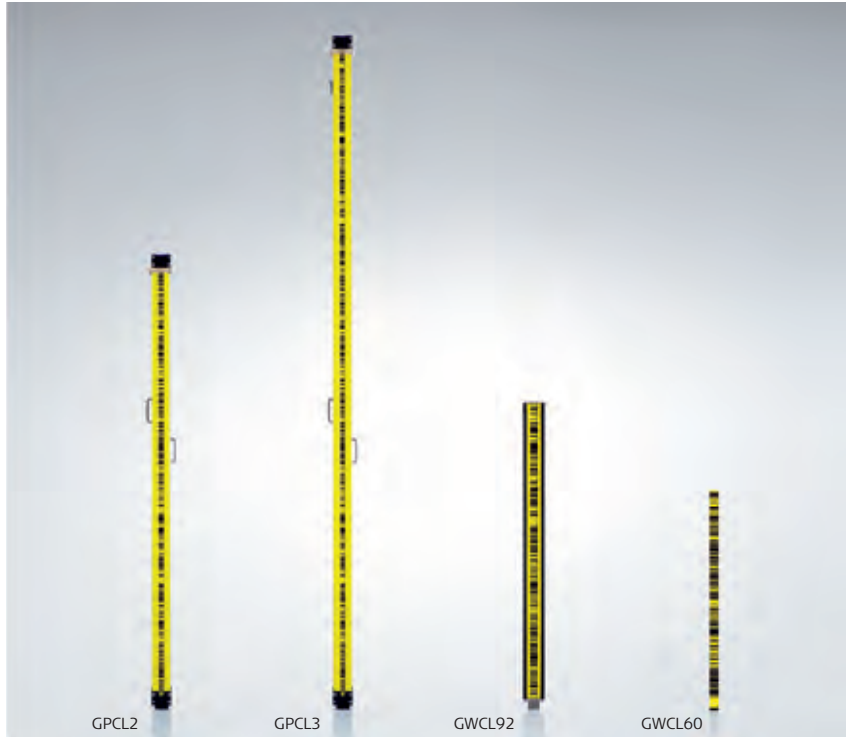Extends all poles with 5/8" thread by 1.00 m (3.25 ft).
Order No: 667222

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

DNA Levelling Staffs

PROFESSIONAL 5000

GPCL2   GPCL3   GWCL92   GWCL60

GPCL2, Invar Staff with Bar Code
Precision levelling staff with 2 circular bubbles. The two attached handles provide steady positioning. Length 2.0 m (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 3.0 m (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 3.0 m (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 600 x 25 x 1.5 mm, for measuring range of 1.8 – 20 m (6 – 65 ft).
Order No: 563733

PROFESSIONAL 3000

GTL4M   GTL4C   GKNL4M   GKNL4F

GTL4M, 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**

GTL4C, 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

MCF256, CompactFlash Card 256 MB
Compact Flash memory card. Capacity 256 MB. 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 standart with highest data security and reliability at extreme environmental conditions.
Order No: 765199

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

Eyepieces

GFZ4T, Diagonal Eyepiece
For comfortable obersvations 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
Exchangable 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

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 5 m 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

GKL341, Charging Station
Intelligent charging ensures long battery life. Possible to charge up to 4 batteries simultaneously. Includes country specific mains connection.
Order No: 799187

GDC221, Car Adapter Cable
For connecting the GKL221 to a 12 V – 24 V power source, at the cigarette lighter socket. Built-in electronics protect the charger from power surges.
Order No: 734389

GKL311, Battery Charger
Easy-to-use, low cost charger for GEB211, 212, 221, 222, 241, 242 Li-on batteries. Includes car adapter cable. **Order No: 799185**

GKL112, Battery Charger
Simple, low-cost charger for GEB121 and GEB111 NiMh batteries. Includes car adapter cable. **Order No: 734753**

GKL 32, Battery Charger
Charges one battery with 5-pin charging socket. Including GEB171.
Order No: 785703

GEV235, AC/DC-Adapter for Leica Viva Field Controller
AC/DC-adapter, power supply for Leica Viva field controller.

GEV235, AC/DC-Adapter for EU
Order No: 767900

GEV235-1, AC/DC-Adapter for US
Order No: 773753

GEV235-2, AC/DC-Adapter for JP
Order No: 773754

GEV235-3, AC/DC-Adapter for UK
Order No: 773755

GEV235-4, AC/DC-Adapter for AUS
Order No: 773756

Batteries

INTERNAL BATTERIES

GEB242, Li-Ion Battery
High output battery for TM50/TS50 and
MS50 Instruments, 14.8 V / 5.8 Ah
Order No: 793975

GEB222, Li-Ion Battery
High output battery with extended
capacity for all TS11/12/15 and flexline
instruments, GS10 GNSS receivers and
Piper 100/200, 7.4 V / 6.0 Ah
Order No: 793973

GEB221, Li-Ion Battery
High output battery for all TS11/12/15
and Flexline instruments, GS10 GNSS
receivers and Piper 100/200,
7.4 V / 4.4 Ah
Order No: 733270

GEB212, Li-Ionen Battery
High output battery with extended
capacity for field controller and GNSS
receiver, 7.4 V / 2.6 Ah.
Order No: 772806

GEB121, NiMH Battery
Low maintenance battery for
TPS400/800 and DNA instruments,
6.0 V / 4.2 Ah.
Order No: 667123

GEB111, NiMH Battery
Low maintenance battery for
TPS400/800 and DNA instruments,
6.0 V / 2.1 Ah.
Order No: 667318

EXTERNAL BATTERIES

GEB171, External NiMH Battery
High output battery for set-ups over
long periods, 12 V / 9.0 Ah. With 5-pin
charging socket. Weight 2.0 kg (4.4 lb).
Order No: 727367

GEV270, Power Supply
Mains adapter for uninterrupted power
supply. Connects to all Leica Geosystems
power cables. Country specific mains
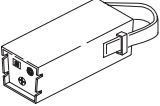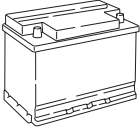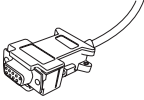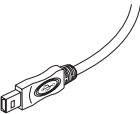cable included. AC input 100 V – 240 V.
Order No: 807696

GEV71, Power Cable
4 m cable for 12 V battery power supply.
Protects the instrument from damage
due to pole reversal and voltage peaks.
Order No: 439038
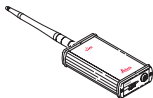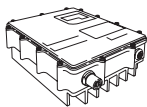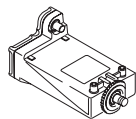
Cable

DEVICE	INSTRUMENT	ART.	SIGN	DESCRIPTION
GEB171 or GEV208	TS02/06/09/11/12/15/DNA	409678	GEV52	Power cable, 1.8 m, connects instrument to external battery
	GS10	560130	GEV97	Power cable, 1.8 m, connects instrument to external battery
	GRX1200/GS10/GS15	733298	GEV172	Y-cable, 2.8 m, connects instrument with two external power supplies
	CS09/GS09	756365	GEV215	Y-cable, 2.0 m, connects instrument to battery
	GS09/GS15	748418	GEV205	Y-cable, 1.8 m, connects instrument to GFU – battery
	TS50/GS15/CS10*/CS15*	758469	GEV219	Power cable, 1.8 m, connects instrument to external battery
	GS14	796492	GEV264	Y-cable, 1.8m, connects instrument to GFU – battery
	GS14 TS/TM/MS50	793364	GEV261	Y-cable, 1.8m, connects instrument to PC – battery
12 V car battery	All instruments	439038	GEV71	Power cable, 4 m, connects all battery cables to 12 V car battery
PC-RS232 Port	TS02/06/09/11/12/15/DNA	563625	GEV102	Data cable, 2 m, connects instrument to PC (RS232)
	TS02/06/09/11/12/15/DNA	734698	GEV187	Y-cable, 2 m, connects instrument to PC – battery
	GRX1200/GS10/GS15	733280	GEV160	Data cable, 2.8 m, connects GX port 1, 2, 3, (port 3 not for GS15) to PC (RS232)
	TS/TM/MS50/GS10/GS15/CS10*/CS15*	733282	GEV162	Data cable, 2.8 m, connects instrument to PC (RS232)
	GFU14	733297	GEV171	Y-program cable, 1.8 m, for the Satelline 3AS radio modem inside the GFU14 housing
	SLR1/2/3	767803	GEV231	Program adapter cable, 1.8 m, for SLR radios
	TS30/GS15/GS10	759257	GEV220	Y-cable, 1.8 m, connects TS30/GS-RS232-battery
	GS14 TS/TM/MS50	793364	GEV261	Y-cable, 1.8m, connects instrument to PC – battery
PC-USB port	TS02/06/09/11/12/15/DNA	806093	GEV267	Serial Data transfer cable, 2 m, TS/TPS/DNA Lemo to USB
	GRX1200/GS10/GS15	806094	GEV268	Serial Data transfer cable, 2 m, connects GX port 1, 2, 3, (port 3 not for GS15) to PC
	TS/TM/MS50/GS10/GS15/CS10/CS15	806095	GEV269	Serial Data transfer cable, 2 m, connects instrument to USB
	GS10/GS15/CS10/CS15/GS09/CS09	767899	GEV234	USB data cable, 1.65 m, connects CS to GS or CS to PC (USB)
	TS02/06/09/CS10**/CS15**	764700	GEV223	USB Data cable, 1.8 m, connects instrument to Mini-USB to USB
	GS14 TS/TM/MS50	793364	GEV261	Y-cable, 1.8m, connects instrument to PC – battery
CS09/RX1210	GRX1200/GX1200	733283	GEV163	Data transfer cable, 1.8 m, connects RX port to GRX1200/GX1200
CS10/CS15	TPS1200	756367	GEV217	Data transfer cable, 1.8 m, connects CS10/15 to TPS1200
	GS15/GS10	767899	GEV234	USB data cable, 1.65 m, connects CS to GS or CS to PC (USB)
CS10*/CS15* CS09	GS15/GS10/GS09	772807	GEV237	USB data cable, 1.65 m, connects instrument to CS Lemo

* with Lemo connector module
** with Mini USB connector module

Cable

DEVICE	INSTRUMENT	ART.	SIGN	DESCRIPTION
TCPS	TS/TM/MS50	771057	GEV236	Y-cable, 1.8 m, connects TS30 – TCPS – battery
	TS11/TS15	734697	GEV186	Y-cable, 1.8 m, connects TCPS – TS11/15 – battery
Satelline 3AS w/o housing	GS15/GS10/TPS1200	639968	GEV125	Data transfer cable, 1.8 m, connects Satelline radio w/o housing
Satelline 3AS Epic pro (10 W)	GS09/GS10/GS14/GS15/GRX1200	762026	GEV221	Y-cable, 2 m, connects Satel – GS/GX – battery
Satelline 3AS Epic pro (35 W)	GS09/GS10/GS14/GS15/GRX1200	817713	GEV275	Connects Satelline to GS, for GS09 a GEV205 is additionally required
Satelline 3AS Epic pro (35 W)	GS09/GS10/GS14/GS15/GRX1200	811818	GEV274	Y- cable 2.8m connects Satelline – GS – SAE adapter
Sateline 3AS Epic pro (35 W)	GVP711	809028	GEV272	cable for power connection with SAE adapter to GVP711 battery bag
Sateline 3AS Epic pro (35W)	PC RS232	809029	GEV273	Programming cable RS232
System 1200 GFU	GS09/GS15	748418	GEV205	Y-cable, 1.8 m, connects instrument – GFU – Batterie
	GS15/System500 GPS	767898	GEV233	Data cable, 0.8 m, connects instrument to GFU
	GS15/System500 GPS	767897	GEV232	Data cable, 2.8 m, connects instrument to GFU
System 500 GFU	TPS1200/GS10/GS15/GRX1200	767897	GEV232	2.8 m, connects System 500 GFU housings
	TPS1200/GS10/GS15/GRX1200	767898	GEV233	0.8 m, connects System 500 GFU housings
External Modem	GRX1200/GS10/GS15	563809	GEV113	Data cable, 2.8 m, connects GX port 1, 2, 3, (port 3 not for GS15) to modem
Time mark receiver	GX/GRX1200	667744	GEV150	PPS output cable, 2 m
External GNSS antenna*	GRX1200/GS10	667200	GEV141	antenna cable, 1.2 m
	GRX1200/GS10	667201	GEV142	antenna cable, 1.6 m
	GRX1200/GS10	636959	GEV120	antenna cable, 2.8 m
	GRX1200/GS10	632372	GEV119	antenna cable, 10 m
	GRX1200/GS10	724969	GEV194	antenna cable, 1.8 m
External antenna	GS05/06	772002	GEV238	antenna cable, 1.2 m

*or external Gainflex UHF/GSM Radio ant.

Accessories overview

TRIPODS

TPS	1"	2"	3"	5"	7"
Motorised					
TPS Setup or Traversing with Forced Centring	GST20 GST20-9 GST120-9	GST20 GST20-9 GST120-9	GST20 GST20-9 GST120-9	GST101	
Manual					
TPS Setup or Traversing with Forced Centring	GST20 GST20-9 GST120-9	GST20 GST20-9 GST120-9	GST20 GST20-9 GST120-9	GST05 GST101	GST05 GST101
Prism Setups on Control Points	GST101	GST101	GST101	GST05 GST05L	GST05L GST103
GNSS	Static GST05			Kinematic GST05L	
Levels	DNA GST40 GST20 GST20-9 GST120-9			Automatic GST103	

TRIBRACHS

TPS	1"	2"	3"	5"	7"
Motorised					
TPS Setup or Traversing with Forced Centring	GDF321 GDF322	GDF321 GDF322	GDF321 GDF322	GDF321 GDF322	
Manual					
TPS Setup or Traversing with Forced Centring	GDF321 GDF322	GDF321 GDF322	GDF321 GDF322	GDF111-1 GDF112-1	GDF101 GDF102
Prism Setups on Control Points	GDF111-1 GDF112-1	GDF111-1 GDF112-1	GDF111-1 GDF112-1	GDF101 GDF102	GDF101 GDF102

PRISMS

	Model	Centring accuracy	Prisms constant	Antireflex-coating
Professional 5000				
Standard-Reflectors	GPR121 GPR1+GPH1 GRZ4	1.0 mm 1.0 mm 2.0 mm	0 0 +23.1 mm	yes yes yes
Special-Reflectors	GPH1P GRZ122	0.3 mm 2.0 mm	0 +23.1 mm	no (tilted) yes
Mini-Reflectors	Mini GMP101 GRZ101	1.0 mm 1.5 mm	+17.5 mm +30 mm	no no
Professional 3000				
Standard-Reflectors	GPR111	2.0 mm	0	no
Special-Reflectors	GPR112	*	–7.1 mm	no
Mini-Reflectors	GMP111 GMP111-0	2.0 mm 2.0 mm	+17.5 mm 0	no no
Professional 1000				
Standard-Reflectors	GPR113	2.0 mm	0	no
Special-Reflectors	GMP104	*	+8.9 mm	no

*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.

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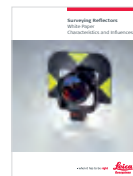Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1

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Surveying Tripods
White Paper

Surveying Tribrachs
White Paper

Surveying Reflectors
White Paper

Batteries & Chargers
White Paper

Storage Media & Card Reader
White Paper

Please visit http://accessories.leica-geosystems.com for detailed information and more documents.

Leica Geosystems AG
Heerbrugg, Switzerland

www.leica-geosystems.com

- when it has to be **right**