Acc. Surveying & Engineering

Product Overview Accessories



Complete range of Accessories for Surveying and Engineering Instruments

Select the right product for your needs:



Tribrachs

Similarly to the stability of the tripod, that of the tribrach is a significant factor in measurement accuracy. The torsional rigidity, the most important criterion of a tribrach, is constantly controlled and tested during its production. The maintenance-free foot screws of the Leica Geosystems tribrach provide movement that is always smooth and free of play, even after years of use. The precise alignment of the support area to the base plate of the instrument assures extremely accurate forced centring. The optical plummet is so robust that the need for adjustment during the entire lifetime of the tribrach is practically unnecessary. Its construction predestines the tribrach for all applications, including extreme temperatures and high dust and humidity.



Standard-Reflectors

The range of a prism results from, among other things, its coating and the glass geometry. A number of Original prisms from Leica Geosystems have a special coating on the reflective surfaces – the Anti-Reflex Coating, and a copper coating on the reverse side. Without these, the range of distance measuring, ATR and Powersearch would be reduced by up to 30%. The workmanship and the durability of the copper coating are decisive for a long life. The glass dimensions, the position in the holder and with it the areal orientation, are important for measuring accuracy. Leica Geosystems prisms are manufactured from glass of the highest quality and furnished with optical coatings so that even under the most extreme environmental conditions, a long lifetime and maximum range of the highest accuracy can be achieved.



Special-Reflectors

The range of a prism results from, among other things, its coating and the glass geometry. A number of Original prisms from Leica Geosystems have a special coating on the reflective surfaces – the Anti-Reflex Coating, and a copper coating on the reverse side. Without these, the range of distance measuring, ATR and Powersearch would be reduced by up to 30%. The workmanship and the durability of the copper coating are decisive for a long life. The glass dimensions, the position in the holder and with it the areal orientation, are important for measuring accuracy. Leica Geosystems prisms are manufactured from glass of the highest quality and furnished with optical coatings so that even under the most extreme environmental conditions, a long lifetime and maximum range of the highest accuracy can be achieved.



Mini-Reflectors

The range of a prism results from, among other things, its coating and the glass geometry. A number of Original prisms from Leica Geosystems have a special coating on the reflective surfaces – the Anti-Reflex Coating, and a copper coating on the reverse side. Without these, the range of distance measuring, ATR and Powersearch would be reduced by up to 30%. The workmanship and the durability of the copper coating are decisive for a long life. The glass dimensions, the position in the holder and with it the areal orientation, are important for measuring accuracy. Leica Geosystems prisms are manufactured from glass of the highest quality and furnished with optical coatings so that even under the most extreme environmental conditions, a long lifetime and maximum range of the highest accuracy can be achieved.

Chargers







Batteries

At first glance, chargers and batteries do not seem to be especially important accessories. Perhaps they do not seem worth paying attention to for quality or origin. Experience shows the opposite. Instruments and their electronics react sensitively and need a reliable power supply in all environmental conditions. Batteries and chargers are also exposed to these conditions - some will function, others might and some not for long or not at all, under certain conditions. That is why the quality and efficiency of the originals also counts for batteries and chargers.



<u>Cables</u>

The Leica Geosystems accessory program includes data transfer cables, power tension cables and antenna cables of the highest quality. For data transfer, Leica Geosystems offers serial and USB data cables. The data transfer over the cable from and to the instrument is therefore extremely reliable and secure, even in extreme heat, cold, snow and rain.



Data storage

Losing data after a work-filled day is frustrating and expensive. The electronic accessories from Leica Geosystems comply with a higher standard than the commercially available accessories that meet consumer or even industry standards. The storage media and other data transfer products from Leica Geosystems are qualitatively of extremely high value and reliability.

Carriers



Like all other Leica Geosystems Accessories, the Original carriers distinguish themselves through outstanding quality features. The high precision carriers of the Professional 5000 Series offer you a choice between a carrier with laser plummet, or optical plummet and longitudinal bubble for high accuracy positioning. Professional 5000 carriers deliver an outstanding 0.3 mm centring accuracy. The carriers of the Professional 3000 Series offer a centring accuracy of 1.0 mm.

Reflector Poles

Due to the use of materials such as carbon and aluminium, the original reflector poles from Leica Geosystems offer an optimal balance of weight, stability and longevity. According to series and model, they are available either with a tip made of Widia®, an extremely hard carbide material, or with interchangeable tips. Their construction allows simple handling with high application steadiness.



GNSS Poles

Due to the use of materials such as carbon and aluminium, the original GNSS poles from Leica Geosystems offer an optimal balance of weight, stability and longevity. According to series and model, they are available either with a tip made of Widia®, an extremely hard carbide material, or with interchangeable tips. Their construction allows simple handling with high application steadiness.



Accessories for Poles

The accessories for reflector poles provide, on the one hand, a quick set-up and stability. Furthermore, additional accessories are available to mount radio antennas for maximising radio range.



Evepieces

The optical performance and quality from Leica Geosystems have set a worldwide standard, and this is naturally also true for the eyepieces and ancillary lenses for the instruments. This is important in order not to compromise the instrument optics with lower quality accessories.

Containers & Bags



Valuable, sensitive instruments and accessories are optimally protected in Leica Geosystems containers and bags. The hard-shell cases are subjected to drop tests and protect the contents with against drops, dust and splashing water. At the same time, the containers and bags are designed for maximum organisation and the best possible carrying comfort.



DNA Levelling staffs

The choice between the Professional 5000 and Professional 3000 Series is based on the application and the associated demands on consistent high precision. The Invar levelling staffs of the 5000 Series, for example, distinguish themselves through a minimal thermal expansion coefficient. The levelling staffs of the 3000 Series are made of fibreglass, or aluminium and are well suited for all common applications.



GNSS/GIS Data Collectors GNSS receivers for GIS Data Collection and Mobile GIS. →



Field Controller

Whenever you need a rugged, reliable and handy partner on a surveying or construction site, whether you have to layout, survey or check cut & fill - Leica Geosystems' robust field computers will be the right choice.



GNSS/GIS SmartAntennas

140



Mobile GIS Data Collection Software GIS Data Collection software for GIS Professionals with interfaces to GPS and TPS sensors.

GIS Data Collection software for GIS Professionals with interfaces to GPS and TPS se



Leica ScanStation P20

Ultra-high speed scanners (up to 1 million points/second) are known for their ultra-fast scan speeds and often higher level of detail. To this, the break-through, compact Leica ScanStation P20 also brings unprecedented data quality at range (120m, max), plus outstanding environmental capabilities, survey-grade tilt compensation, and an industry first "Check & Adjust" capability.



Leica ScanStation C10

The versatile Leica ScanStation C10 includes a high-accuracy/long-range scanner, tilt sensor, battery, controller, data storage, auto-adjusting video camera and laser plummet all in one compact, portable instrument. The ScanStation C10 also features major productivity advances, including a Smart X-Mirror[™] design that lets users conduct full-dome scans in literally a few minutes using a spinning mirror or conduct small area scans efficiently with Smart X-Mirror's oscillating mode.



Leica ScanStation C5

For organizations entering into laser scanning for as-built and engineering surveys, the affordable Leica ScanStation C5 represents a great starting platform: high performance laser scanner, power supply, data storage, touch screen interface, video camera, and laser plummet all in one instrument.



Leica HDS6200

The attractively priced, compact Leica HDS6200 features several advances that increase the versatility, portability, and productivity of ultra high-speed, phase-based laser scanning for many plant, architectural, tunnel, and heritage as-built survey applications.



HDS7000

Within the practice of using 3D laser scanners to remotely capture detailed, "as-is" geometry of structures, sites and scenes, phase-based scanners are known for their ultra-high scan speeds and their high level of detail. Adding to this basic speed capability (> 1 million points / second), the HDS7000 phase-based scanner provides important "next level" performance features for demanding professionals, making it the industry's best phase-based scanner.



HDS8800

The HDS8800 mine scanning system offers all the benefits of laser scanning in a convenient, easy-to-learn and highly productive package. It's long range High-Definition Surveying[™] (HDS[™]) for the mining industry.



HDS8400

The HDS8400 laser scanner is built to get the job done. Integrated tools produce fast and accurate survey results.



HDS Software

Software plays a critical role in handling and viewing high-definition point clouds effectively and aids in the speedy extraction of deliverables. The HDS Software Family's complete range of application-specific and industry-relevant Cyclone, CloudWorx, and TruView modules has made working with point clouds easier and more efficient than ever before.