

Leica GS18 T

World's fastest
GNSS RTK rover



leica-geosystems.com



- when it has to be **right**

Leica
Geosystems

Leica GS18 T – The world's **fastest** GNSS RTK rover

Introducing the world's fastest and easiest-to-use GNSS RTK rover, the Leica GS18 T. Now you can measure any point faster and easier without the need to hold the pole vertical.

This innovation combines GNSS and inertial measurement unit (IMU) to create the first true tilt compensation solution that is immune to magnetic disturbances and calibration-free. The GS18 T works directly out of the box.

Save up to 20 per cent of your time compared to conventional surveying practices because no time is wasted levelling the bubble. Focus on your surroundings and not the bubble to measure points that previously could not be measured. Avoid time-consuming auxiliary methods with true tilt compensated surveying. You will stake out more efficiently and conveniently than ever before with increased speed, safety and comfort. Watching the bubble is simply no longer needed.

The GS18 T GNSS RTK rover is part of the Leica Geosystems self-learning GNSS series. It seamlessly combines with Leica Captivate field software and Leica Infinity office software. Use it with HxGN SmartNet Global services for the best Network RTK, RTK bridging and PPP experience.



Engaging software

The Leica GS18 T is accompanied by the revolutionary field Captivate software, turning complex data into the most realistic and workable 3D models. With easy-to-use apps and familiar touch technology, all forms of measured and design data can be viewed in all dimensions. Leica Captivate spans industries and applications with little more than a simple swipe, regardless of whether you work with GNSS, total stations or both.



Seamlessly share data among all your instruments

Leica Infinity imports and combines data from your GNSS RTK rover, total station, level instruments and laser scanners for one final and accurate result. Processing has never been easier because all your instruments work in tandem to produce precise and actionable information.

ACC»

Customer care only a click away

Through Active Customer Care (ACC), a global network of experienced professionals is only a click away to expertly guide you through any challenge. Eliminate delays with superior technical service, finish jobs faster and avoid costly site revisits with excellent consultancy support. Control your costs with a tailored Customer Care Package (CCP), giving you peace of mind you are covered anywhere, anytime.



TILT COMPENSATION

- Increased measurement productivity and traceability
- Calibration-free
- Immune to magnetic disturbances
- Integrated quality assurance of pole tilt
- Reduced human error

RTKplus

- 555 channels for more signals, faster acquisition and improved sensitivity
- Intelligent management of multi-frequency, multi-constellation signals
- Intelligent selection to automatically reject reflected or noisy signals

HXGN SMARTNET GLOBAL

- HxGN SmartNet Pro - Network RTK and unlimited worldwide RTK bridging and PPP service
- HxGN SmartNet+ - Network RTK and up to 10 min RTK bridging service
- HxGN SmartNet PPP - Unlimited worldwide RTK bridging and PPP service

SMARTCHECK

- Unique RTK technology provides continuous checks to guarantee correct results
- Initialisation within seconds
- Complete reliability

BUILT FOR THE MOST DEMANDING ENVIRONMENTS

- IP66 / IP68 protection
- Built for extreme temperatures of -40°C to +65°C
- Fulfils toughest standards throughout the complete product lifetime
- Rugged aluminium housing

ERGONOMICS

- Integrated 4G mobile phone, UHF radio RTK devices
- Compact housing

ONLINE SERVICES

- Leica Active Assist - the next level in support
- Leica Exchange - transfer data easily, quickly and safely

Unlock the power of handheld devices

On a controller or a tablet, take your entire office on the go when you discover the power to overcome any environment from the palm of your hand.

The Leica CS20 controller and Leica CS35 & CS30 tablets provide the ultimate in control and convenience with complete mobility. Touch screen technology allows for comfortable and quick data processing while a stunning 3D view transforms your Leica Viva GNSS experience.



Leica Geosystems – when it has to be right

Revolutionising the world of measurement and survey for over 200 years, Leica Geosystems, part of Hexagon, creates complete solutions for professionals across the planet. Known for premium products and innovative solution development, professionals in a diverse mix of industries, such as aerospace and defence, safety and security, construction and manufacturing, trust Leica Geosystems for all their geospatial needs. With precise and accurate instruments, sophisticated software and trusted services, Leica Geosystems delivers value every day to those shaping the future of our world.

Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector and mobility applications.

Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at [hexagon.com](https://www.hexagon.com) and follow us @HexagonAB.

 **Swiss Technology**
by Leica Geosystems



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