

# Leica GS18 T

World's fastest  
GNSS RTK rover



[leica-geosystems.com](http://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 latest innovation combines GNSS and inertial measurement unit (IMU) being the first true tilt compensation solution that is immune to magnetic disturbances and is calibration-free. The GS18 T works directly out of the box.

Save up to 20 per cent over conventional surveying practices due to the fact that no time is wasted by 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, continuing the powerful and immersive Leica Captivate Experience.



## Engaging software

The Leica GS18 T is accompanied with the revolutionary 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 and level instruments for one final and accurate result. Processing has never been made easier when 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
- Reduction of 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

#### SMARTLINK

- Achieve centimetre accurate positioning worldwide - perfect when working in remote areas around the globe
- No RTK base station or RTK network required, correction data is continuously transmitted by satellite delivering global coverage
- Bridging RTK outages for uninterrupted centimetre positioning

#### 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

- HxGN SmartNet Satellite Positioning - your No.1 partner for network RTK
- Leica Active Assist - the next level in support
- Leica Exchange - transfer data easily, quickly and safely

## Unlock the power of handheld devices

In 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 tablet 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.



reddot award 2015  
honourable mention

## Leica Geosystems – when it has to be right

Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems is the industry leader in measurement and information technologies. We create complete solutions for professionals across the planet. Known for innovative product and solution development, professionals in a diverse mix of industries, such as surveying and engineering, building and heavy construction, safety and security, and power and plant 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.

Leica Geosystems is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technology solutions that drive productivity and quality across geospatial and industrial landscapes.

 **Swiss Technology**  
by Leica Geosystems

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**Leica Captivate**



**Leica Infinity**



**Leica Nova MS60**



**Leica Viva TS16**



Video tutorials are available on:  
<http://leica-geosystems.com/captivate-howto>



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