

Topcon GT-1500 / GT-700

Robotic Total Station



Speed, Power and Flexibility:
Your go-to tool for precision
and reliability.

Learn more at topconpositioning.com





Tackle any job with confidence

Not every job is easy, and locating critical features isn't always straightforward. When accuracy matters, the GT-1500/700 robotic total station delivers precise data collection and layout, helping you stay on budget and avoid costly mistakes.

With flexible 2-man or 1-man operation, the GT-1500/700 robotic total station provides for superior data collection and layout of critical items. Its intelligent Brushless Direct Current (BLDC) motor ensures smooth, silent operation with less wear and tear – extending the instrument's lifespan. Combine with GNSS and create a hybrid solution that allows for the most versatile method of positioning in the industry.

Quick tracking and smart motor control allow the GT-1500/700 to acquire and track the prism efficiently, even in the toughest conditions. This means you can trust your measurements, record them and move on to the next job. Don't stand and wait for the robot to find you, get to work and get the job done.

- » 200°/sec turning speed for quicker 2-face measurements and hybrid search
- » Ultra-silent for confident use
- » 10 Hz EDM update rate for faster and more efficient staking
- » Compact and lightweight for better handling
- » Hybrid ready so you can conquer any job site

With Topcon's auto-pointing technology, setup is faster, making this the ideal tool for construction layout and monitoring projects.

If getting it right the first time matters, the GT-1500/700 is the tool for the job.



- | | | |
|--|--|--|
| 1 Fast and powerful EDM - 1,000 m non-prism and 5,000 m prism range | 4 Integrated Bluetooth® and advanced LongLink™ | 7 Raised alpha-numerical keypad |
| 2 Rugged waterproof and dustproof IP65 design | 5 Brushless Direct Control motors with a turning speed of 200° per second | 8 Add the RC-5A remote for over 300 m "single tap" prism re-acquisition |
| 3 Bright color touchscreen display for on-board data collection | 6 Advanced UltraTrac technology | |

Lock onto your prism quickly and easily

On a busy job site, obstacles can break the connection between your total station and prism, leading to frustrating delays. Reacquiring that lock manually takes time – but there's a better way.

The RC-5A optional remote control provides the fastest and simplest way to relock the connection to the prism when the line of sight has been interrupted. With a single tap in your field software, your robotic total station detects the RC-5A's fan-shaped laser beam and relocks in seconds. No more wasted time – just seamless operation and maximum efficiency.

- 300 meter, single-tap prism acquisition
- Extends instrument communication to 600 meter using Longlink™
- Ruggedized IP-65 rating
- 40 hour battery life

Ultra flexible

Works in two-person mode (behind the instrument) or one-person robotic mode. Seamlessly switch between configurations using the same MAGNET Field software, ensuring easy file exchange and workflow continuity.

Ultra powerful

Intelligent Brushless Direct Current (BLDC) motor control provides smooth and silent operation with less wear and tear. Ideal for survey or building construction, it helps you measure and stake out more points faster, even in tough conditions.

Ultra comfortable

UltraTrac™ prism tracking combines optical sensing with high-speed BLDC motor control for reliable performance in tough job site conditions. Whether working at a distance or up close, the instrument maintains prism lock making you more productive in any environment.

Ultra productive

Boost productivity with our hybrid solutions, combining GNSS and robotics for seamless data capture – even under tree cover, with lost line of sight, or at hard-to-reach points. Work faster, tackle more, and take your performance to the next level.

GT-1500/ GT-700

With the GT-1500/GT-700, you get the efficiency of a single-operator robotic system, the power of long-range reflectorless measurements, and the versatility of Hybrid Positioning™, all in your choice of 1", 2" or 3" GT-1500 models or 2", 3" or 5" GT-700 models.



Specifications subject to change without notice.

© 2026 Topcon Corporation. All rights reserved. 7010-2444 C 07/26

Learn more at topconpositioning.com

