INFO SHEET

Trimble ST30

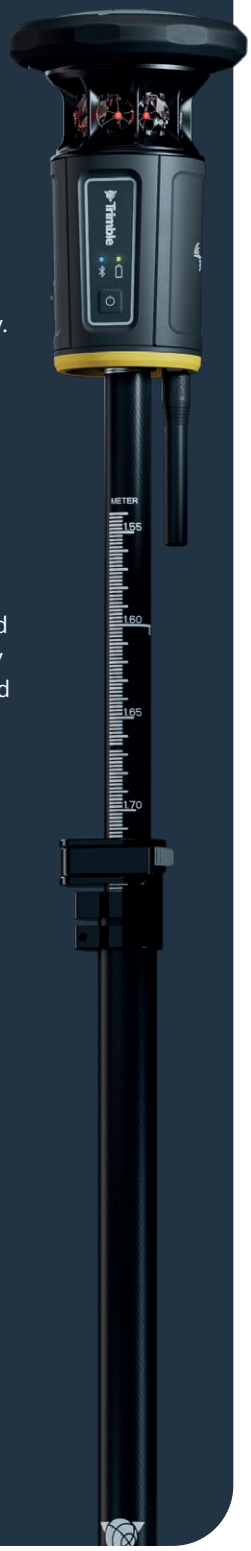
SMART TARGET

This is what smart looks like

In the demanding world of surveying and construction, deadlines are tight and every measurement must be precise. You face diverse challenges daily, from intricate topographic surveys to critical design stakeouts. Traditional methods require meticulous leveling, offset measurements or additional instrument setups, which can be time-consuming. What if you could work faster while maintaining high accuracy, transforming every job site?

The **Trimble® ST30 smart target** combines optical tilt compensation, GNSS capabilities, automatic rod height and best-in-class tracking into a single, highly versatile system for maximum accuracy and productivity.

Powerful features, unrivaled performance



Optical and GNSS tilt compensation
Measure faster in the field. Eliminate pole leveling with Trimble Inertial Platform™ (TIP™) technology.

One compact system
Seamlessly transition between optical and survey-grade GNSS workflows without switching equipment.

Automatic rod height
Avoid rework in the field and office. The rod height is fully adjustable and synchronized with field software so you can set it to any height and simply keep working.

Relentless tracking
Trimble active tracking, target ID and GeoLock ensures the ST30 stays locked or re-locks instantly — zero manual effort, zero downtime.

Engineered to endure
Built to withstand daily wear and tear, the ST30 is rigorously drop-tested, vibration-tested and IP-rated for dust and water protection.

Unlock new possibilities

The Trimble ST30 smart target saves time and accelerates your fieldwork with Trimble TIP tilt compensation for both total station and GNSS measurements. You no longer need to carefully level the rod for every shot, dramatically speeding up topographic surveys and stakeout tasks. This capability also lets you measure previously inaccessible or hard-to-reach points with ease, whether you are measuring building corners, inverts or overhead structures. Minimize extra steps and eliminate the complexities of COGO offsets.

From optical to GNSS, effortlessly

Experience a new level of surveying versatility with the ST30's fully integrated optical and GNSS functionality. This innovation removes the need for a standalone GNSS receiver, streamlining your equipment and simplifying your workflow. You can switch between optical and GNSS measurements, adapting to any job site conditions with ease so you can focus on the job, not the equipment.

Built-in confidence

Say goodbye to costly rework caused by incorrect rod height entries or misleveled rods. The ST30 features automatic rod height and tilt compensation, seamlessly synced with your Trimble field software. This eliminates the most common field errors, providing you with continuous peace of mind and data integrity.

Best-in-class optical tracking

Trimble active tracking and target ID ensure you're always on the right prism. If line-of-sight is interrupted, Trimble GeoLock™ technology paired with the ST30 uses the integrated GNSS and built-in Trimble RTX® corrections to regain lock automatically. No manual searching or lost time — just an intelligent system that keeps pace with you, ensuring you never have to stop to regain a lock. The ST30 comes standard with RTX corrections for GeoLock, no subscription required.

Connected workflow

Leave disconnected tools behind. The ST30 integrates seamlessly with the Trimble ecosystem to connect your hardware, field, cloud and office software workflows, ensuring data, teams and processes stay aligned from start to finish.

ST30: Versatility for every task

ST30 GNSS capabilities

Unlock the full potential of your ST30 with an optional GNSS subscription. Powered by the Trimble ProPoint® GNSS technology engine, the ST30 can switch between measuring with optical precision and GNSS speed instantly while utilizing the same hardware in a single job file. This ensures you always have the right tool for the task at hand without having to change equipment. Integrated tilt compensation for both workflows eliminates the need to level the rod, making it easy to capture inaccessible points and remove complex COGO offsets from your daily routine.

Experience the power of GNSS right out of the box. Every ST30 uses integrated GNSS and Trimble RTX corrections to power GeoLock automated target tracking. Combined with active tracking and target ID, the ST30 eliminates the need to search for a target. Whether you walk behind a vehicle or a massive structure, the system stays ready to work the second you have line of sight.

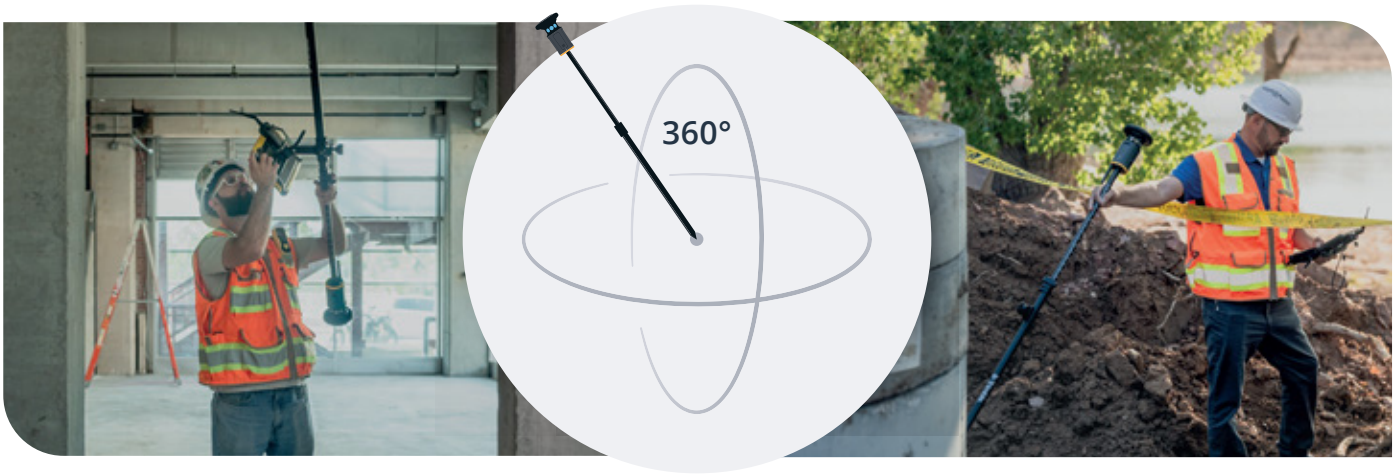
While RTX corrections for GeoLock are included standard with the ST30, using Trimble RTX as your primary correction source for standalone GNSS surveying requires a separate subscription. Alternatively, you can use an external network correction source such as VRS, or configure the Trimble Internet Base Station Service (IBSS) directly through your field software.

ST30 key features			
eBubble	✓	**GeoLock with Trimble RTX corrections**	✓
Passive tracking	✓	**Automatic rod height**	✓
Active tracking	✓	**Tilt-compensated measurements**	✓
Target ID	✓	**GNSS rover**	Optional subscription

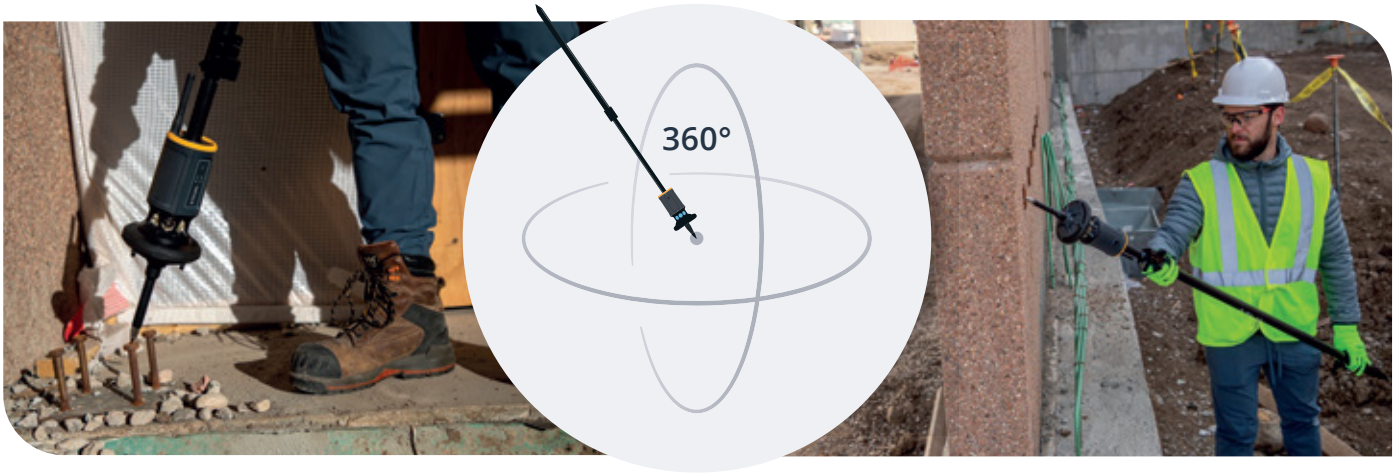
Ways to use the ST30

Whether you're measuring the ground or above your head, right side up or upside down, indoors or outdoors, the ST30 makes measurements easier.

Measure hard-to-reach spots with the 2.6 m telescopic rod.



Meet the tightest tolerances with the top mount accessory.



Trimble Protected protection plans

Add a Trimble Protected protection plan for worry-free ownership over and above the standard Trimble product warranty. For details, visit trimbleprotected.com or contact a local Trimble dealer.

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