



SPS986

GNSS SMART ANTENNA

RUGGED, RELIABLE POSITIONING

The ultra-rugged Trimble® SPS986 GNSS Smart Antenna offers unmatched reliability for construction site positioning. Ideal for use on small and large job sites, the SPS986 can serve as a GNSS rover system or as a base station for other GNSS operations.



Tilt compensation functionality to measure accurate points without leveling the pole

Ultra-rugged housing built to withstand harsh construction site conditions

Connected site enabled with integrated Wi-Fi®, Bluetooth®, and wideband radio

GNSS receiver, antenna, and battery in one unit

Quick release connector makes it easy to move and set up



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Key Benefits

Trimble's SPS986 GNSS Smart Antenna is faster and scalable, has a longer battery life and incorporates the latest technology to make construction layout easier, safer and more productive.

Rugged, All-In-One Solution

- ▶ Compact design with unprecedented strength and durability, easy to use and virtually indestructible
- ▶ Tilt compensation makes site positioning easier and more accessible for new users, while saving time and money for experienced users
- ▶ The most rugged receiver Trimble has ever built, don't experience downtime with equipment that doesn't work
- ▶ Real-Time Kinematic (RTK) corrections for higher accuracy site measurements
- ▶ Uses more GNSS constellations, satellites and signals to increase productivity and uptime, greater accuracy in difficult conditions (under tree canopy or in urban areas)

Flexibility

The SPS986 can easily go from carrying case to range pole or tripod with a single click so you can get going faster.

Trimble xFill Technology

Trimble xFill technology expands site productivity by allowing short excursions into locations where GNSS corrections were not previously available.



KEY FEATURES

Tilt Compensation

Using the Trimble SPS986 GNSS Smart Antenna and Trimble FieldLink Software it is now possible to capture accurate points while standing or walking while the receiver is not level.

Full GNSS tilt compensation makes layout and data collection easier to learn for beginners and saves significant time for more experienced surveyors.

- ▶ Easily and safely measure hard to reach areas
- ▶ Faster measurements
- ▶ More efficient stake-outs
- ▶ No magnetic interference

Use the SPS986 to measure layout points and elevations, as well as record as-built information, even in the roughest site conditions. The SPS986 can withstand high vibration scenarios without interruption or fear of damage.

It has never been so easy to get measuring. Initial site work and elevations can even be done base-station-free using satellite-delivered GNSS corrections to the rover.

Applications

With Trimble FieldLink Software, you can:

- ▶ Layout Mechanical Electrical and Plumbing points
- ▶ Locate and/or verify Concrete and Steel Placement
- ▶ Determine cut/fill on a range pole
- ▶ Check Elevations
- ▶ Record tilt data when taking measurements
- ▶ Stake or Record site features
- ▶ Measure progress and calculate material stockpile volumes
- ▶ Carry out as-built measurements, grade checks and thickness checks

Setting a new standard for rugged reliability, the SPS986 GNSS Smart Antenna keeps your crews working, not wasting time with GNSS maintenance.

Reliable Base Station

The SPS986 can also serve as a powerful site base station, using optional radio frequencies to send and receive corrections to the rover. It is the easiest base station on the market. The SPS986 will automatically establish a connection with your GNSS rover and begin transmitting corrections—just put it on the tripod, switch it on and go.



Ohio Valley

WWW.BUILDINGPOINTOHIOVALLEY.COM

TRIMBLE BUILDINGS GROUP
 10368 Westmoor Drive
 Westminster CO 80021 USA
 800-361-1249 (Toll Free)
 +1-937-245-5154 Phone
<http://buildings.trimble.com>

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