

Leica PowerAntenna Superior performance where you need it



The key to productivity

Whether your machine needs a GNSS position or heading, your site base station needs simplest "turn on & go" or your supervisor needs to check grade with his 4-wheel drive and stake out a manhole in the next minute – Leica PowerAntenna does the job.

In fact, it's the world's first system that uses the same components for on- and off-machine applications. Combine it with the Leica PowerBox to boost productivity of your excavator with dual GNSS positions, put it on a pole for staking out, doing volumes or as-builts while the excavator continues in single GNSS operation or use it as a base station that site personnel easily can set-up.

Scalable design allows you tailor the system precisely to your needs with several options: higher update rates, GLONASS, base station, survey functionality, etc.

Leica's leading edge technology is your door-opener to greater efficiency.

Benefits

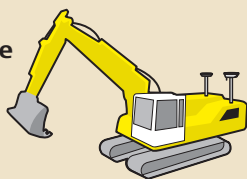
- Scalable GNSS
 - upgradeable as you grow (pay for what you need)
 - tailorable technology
- Versatile System
 - suits many applications (pole, base, machine, supervisor, ...)
 - extendable to dual GNSS
 - survey jobs
 - on site spare part
 - use one controller for many tasks
- *Bluetooth*[®] for cable-free communication
- Internal battery for rover pole setup
- Superior GNSS Leica Technology
- GLONASS enabled for better Satellite coverage

- when it has to be **right**

Leica
Geosystems

Leica PowerAntenna Machine, Base, Supervisor... I can do it all!

Machine



Added to the PowerBox, efficiency and accuracy of your machine will be boosted by providing position and heading.

PowerAntenna upgrades your single GNSS excavator system into full dual antenna set-up.

Base Station



PowerAntenna suits perfectly as construction site base station.

Increases value of your equipment: use it on a pole if you don't need a base and vice versa. Provides the complete construction site with highly reliable corrections.

Supervisor



Why waiting for a surveyor? Check cut/fill or carry out stake-outs and as-builts yourself by simply moving the PowerAntenna from the machine to the pole.

When the job is done, put it back on the excavator or on the roof of your vehicle. The easy to learn user interface will support you.

Specifications	
GNSS technology	SmartTrack+ dual frequency 14 L1 + 14 L2 GPS 12 L1 + 12 L2 GLONASS
RTK Technology	SmartCheck+, for advanced, long range RTK with 99.99% Reliability
Kinematic RTK Accuracy (phase), after initialisation	Horizontal: 10 mm + 1 ppm Vertical: 20 mm + 1 ppm
Power Supply	Li-Ion 1.9 Ah/7.2 V for Pole Solution (last for 5 h). Ni-MH 8.0 Ah/12 V for reference setup. On-machine via PowerBox.
Position output rate	Off-machine: 1 Hz standard, 5 Hz option On-machine: max. 20 Hz (depends on PowerBox)
RTK data Formats	Leica, CMR, CMR+, RTCM v2.x / 3.0; Network correction (option)
Ref. Station	Leica Lite
Communication	RS232, RS422,
PowerAntenna	Bluetooth® Wireless Technology
Shock	ISO 9022
Vibration	MIL 810.F Cat 24
Environmental specifications	IP67

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Upgrade Opportunities

GLONASS	Work in less visible view to sky, like urban canyons
Positioning PLUS	Work with a higher positioning update rate (5 Hz)
Baseline Xtra	Work up to 5 km (3 miles)
Baseline PLUS	Work, no matter how far your base station is
Networking PLUS	Work, even if you do not have a base station
PowerBox	Where you need Position and Orientation



Leica PowerTracker
Tracking sensor



Leica MA 360° Prism
High accuracy target



Leica PowerBox
GNSS Receiver



Leica MNA1202
GNSS Antenna



Leica PowerAntenna
GNSS Receiver



Leica MCP950C
WinCE controller

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Total Quality Management –
Our commitment to total customer satisfaction.

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