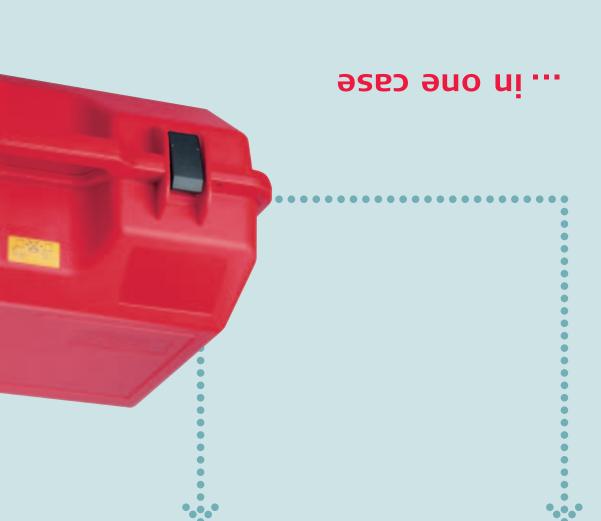
Leica GPS900 **Big ambitions on a budget**



- when it has to be **right**





New opportunities ...

Control/Reference Line



Stakeout and measure relative to lines and arcs. Enter offsets and heights. Control/Reference lines can be defined using the map-view. Set checks for quality control. Ideal for buildings, drainage, foundations etc.

Stakeout



Stakeout points and digital terrain models (DTMs) with the stakeout program. Navigate directly using the map-view or using the large bull's-eye.

Software Specifications



Easy to use

GPS900 is exceptionally easy to use. Control the large graphic display using the touch screen or keyboard. The familiar operating concept provides instant productivity.



Graphical view

Large graphical map-views give easy access to data. Immediately see what has been measured, what has been staked out and what still needs to be done.



GNSS technology

Now with an ultraprecise GNSS (Global Navigation Satellite System) measurement engine that supports both GPS and GLONASS – benefit from up to 100 % more satellites than GPS only.



Does your crew speak different languages?

The GPS900 is the only instrument of its class with multiple languages onboard. This allows the user to choose the preferred language.



Direct.dxf

With "Direct.dxf" functionality, data can be read directly from the instrument in dxf-format and read into AutoCAD, on a PC without any intermediate steps.

Dxf-format can be directly imported on the instrument.

Leica GPS900 ..

Best antenna performance

Continue working even in difficult conditions. GPS900 provides the best RTK GNSS performance with high accuracy measurements from GPS and GLONASS satellites.

Rugged rover ·····

Built to military specifications the GPS900 RTK rover is incredibly robust. The cable-free all-on-the-pole rover is ideal for construction sites and other demanding workplaces.

One person, one case, one system ······

Increase productivity. The GPS900 is ideal for oneperson stakeout and survey work. Everything that is needed for a days work can be easily transported and setup.



Topographic Survey



Record points with or without code and attribute information. Set criteria and measure points automatically. View the survey in the large, graphical map-view display. Use the Survey program for detail, topo, title surveys etc.

Alignment



Stakeout relative to a 3D alignment using the RoadRunner option. Points can be staked out at any chainage (stationing) and offset. Work with any combination of geometric elements.



Hardware Specifications



ATX900 GG GNSS Antenna

- Total reliability
- Top quality measurements
- GPS and GLONASS support
- Acquisition and initialization within seconds



RX900/RX900c Controller

- High contrast 1/4 VGA Touch screen with colour (RX900c)
- Bluetooth® Wireless-Technology
- User-definable keys
- Internal memory or CF-card



Rugged

- -30° C to +65° C operating temperature
- Up to 100% humidity
- Waterproof to 1 m temporary submersion
- Withstands fall if pole topples over

Leica GPS900 Technical Specifications	
GNSS technology	SmartTrack+ dual frequency
	14 L1 + 14 L2 GPS
	12 L1 + 12 L2 GLONASS
GNSS Antenna	Built-in groundplane with SmartCheck+ and
ATX900 GG	Bluetooth® Wireless-Technology
Controller	1/4 VGA Touch screen
RX900 &	Windows CE 5.0
RX900c	256 MB internal memory or removable CF card up to 1 GB
	Bluetooth® Wireless-Technology
SmartCheck+	Horizontal accuracy: 10 mm +1 ppm, kinematic
	Vertical accuracy: 20 mm +1 ppm, kinematic
Power supply	Li-lon 1.9 Ah/7.2 V for GPS900 rover. Ni-MH 8.0 Ah/12 V for GPS900
	reference setup. Power RTK rover for about 5 hours.
Temperature	Operation: -30°C to +65°C
ISO9022, MIL-STD-810F	Storage: -40° C to +80° C
Protection against water,	Waterproof to 1 m temporary submersion
dust and sand, IP67	Dust tight
(IEC60529), MIL-STD-810F	
Weight	GNSS Antenna: 0.96 kg, RX Controller: 0.71 kg
	Entire GPS900 RTK rover: 3.49 kg
Update rate	Position update rate: 1 Hz standard, 2 Hz & 5 Hz option
Range	RTK range: 2500 m standard, 5000 m option

Figures quoted are for normal to favorable conditions

Whether you want to survey a parcel of land or objects on a construction site, determine measured points on facades or in rooms, gather the coordinates of a bridge or a tunnel – Leica Geosystems' surveying instruments provide the right solution for every application.

They unite reliable results with easy operation and user-friendly applications. They are designed to meet your specific requirements. Modern technology enables you to work fast and productively, thanks to the straightforward and clearly structured range of functions.

When it has to be right.

Illustrations, descriptions and technical specifications are not binding and may change. Printed in Switzerland – Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2007. 754090en – VI.07 – RDV



Total Quality Management – our commitment to total customer satisfaction.

Ask your local Leica Geosystems dealer for more information about your TQM program.

The **Bluetooth**® word mark and logos are owned by Bluetooth SIG, Inc. and any use of such marks by Leica Geosystems AG is under license. Windows CE is a registered trademark of Microsoft Corporation. Other trademarks and trade names are those of their respective owners.



Leica TPS800 Product brochure



Leica GPS1200 Product brochure

Leica Geosystems AG Heerbrugg, Switzerland www.leica-geosystems.com

- when it has to be **right**



