GSR2600 Receiver Specifications

Position Accuracy[1]		
Static[2]	3.0 mm + 0.5 ppm (horizontal)	10.0 mm +1 ppm (vertical)
Rapid Static[2]	5.0 mm + 1 ppm (horizontal)	10.0 mm + 1 ppm (vertical)
Kinematic, Stop-and Go[2]	10.0 mm + 1 ppm (horizontal)	20.0 mm + 1 ppm (vertical)
RTK[3]	10.0 mm + 1 ppm (horizontal)	20.0 mm + 1 ppm (vertical)
Differential (DGPS)	WAAS/EGNOS: 0.8 m CEP	
Latency	0.02 sec (typical)	
Stand-alone Position	1.5 m CEP	
Channels	12 x L1 and 12 x L2 with full code and carrier	
Time To First Fix		
Cold Start	50 sec	
Warm Start	40 sec	
Hot Start	30 sec	
Signal Reacquisition	0.5 sec L1, 1.0 sec L2	
Data Rate	20 Hz	
Receiver Technology	PAC technology	
Interface		
Operation	Single-button operation for power, receiver reset and clear memory	
Display	Front-panel LCD that can be used to view receiver status information and view/modify receiver parameters	
Memory	Internal, removable Compact-Flash® memory card (16 MB card provided)	
Physical		
Weight	1.3 kg	2.9 lb
Size (l x w x h)	18.3 cm x 15.0 cm x 7.0 cm	7.2 in x 6.0 in x 2.8 in
Environmental		
Operating Temperature (receiver)	-40° C to +55° C	-40° F to +131° F
Operating Temperature (display)	-20° C to +55° C	-4° F to +131° F
Storage Temperature	-40° C to +85° C	-40° F to +185° F
Water Resistance	IPX7	
Shock[4]	1.0 m drop	3.3 ft drop
GPS Board Communication Ports	2 x RS232, External wireless adaptor available, External GSM module available	
RTK Initialization	10 to 30 sec based on satellite constellation and baseline length	
External Device	Any device that has RS232 serial communications	
Power Requirements		
Power Port	Multisource power port (12 V car battery, AC/DC adaptor, camcorder style 12V)	
Batteries	Various power options (12 V car battery, AC/DC adaptor, camcorder style 12V, BDC46A Battery Pack)	
Conumption	<5 W using a radio	
Standard Input/Output	RTCA, CMR, RTCM, NMEA, 1 PPS (out), mark-in	

SK-702 Antenna Specifications

Operating Temperatures	-40° C to +85° C	-40° F to +185° F
Storage Temperatures	-55° C to +85° C	-67° F to +185° F
Weight	0.5 kg	1.1 lb
Water Resistance	IEC 60529 IPX7	
Shock and Vibration	MIL-STD-810F method 514.5, Salt Spray: MIL-STD-810F method 509.4	
Phase Center	L1 and L2 phase center in same location (zero offset)	
Multipath Performance	Choke ring-like performance. Pinwheel™ technology to provide exceptional multipath rejection	
Ground Plane	Built-in	

1. Accuracy depends on the number of satellites used, obstructions, satellite geometry (DOP), occupation time, multipath effects, atmospheric conditions, baseline length, survey procedures and data quality.
2. 95% confidence level.
3. 1 sigma.
4. Shock specifications based on receiver without cables attached.

Design and specifications are subject to change without notice.

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SOKKIA

790-0-0061
Printed In the U.S.A. — 3/07

SOKKIA

GSR2600

High-Accuracy L1 / L2 GPS System

HERITAGE | QUALITY | SUPPORT | VALUE

GSR2600

High-Accuracy L1 / L2 GPS System

The GSR2600 is a high-performance, dual-frequency GPS receiver capable of performing a variety of RTK or post-processed surveying applications. Its modular design gives you the flexibility to set up the system as a base or rover. The receiver delivers reliable centimeter-level accuracies in RTK mode and can be utilized with other SOKKIA dual-frequency receivers. The GSR2600 is also compatible with a wide range of data collection packages for your convenience.

Accurate. Versatile. Reliable.

GSR2600 Features

Convenient modular design.

- Utilize as a base or rover for RTK surveying applications
- Lightweight components for ease of mobility in the field

Accurate positioning.

- Offers centimeter-level capability in RTK mode and millimeter-level accuracy for post-processing applications
- Accompanying SK-702 antenna features advanced Pinwheel™ Technology to mitigate errors caused by Mulitpath and electromagnetic interference

Versatile performance.

- Compatible with a variety of data collection packages
- Perform RTK or post-processed surveying applications
- Can be paired with SOKKIA's GSR2700 ISX, GSR2700 IS and GSR2700 RS receivers for RTK surveying

Simple operation.

- Easy to set up and operate in base or rover mode
- Convenient LCD panel can be used to view receiver status information and view or modify receiver parameters

Ready for any environment.

- Receiver is water-and-dust resistant and can withstand a 1.0 m (3.3 ft) drop
- Lightweight design (receiver weighs just 1.3 kg/2.9 lb)

User-friendly interface.

- Single-button operation for power, receiver reset and clear memory
- Features internal removable Compact-Flash® memory card (16 MB provided)

GSR2600 System

- High-performance, dual-frequency GPS receiver
- SK-702 GPS antenna
- Spectrum Survey Suite post-processing and adjustment software
- Microsoft Windows® CE data collector and software
- Ergonomic rover backpack and base soft case
- RTK radio link

Data Collection

SDR Level 5 data collection software.

- Workflow is designed to follow a logical field collection process
- Offers topographic surveying, stakeout, roading and coordinate geometry (COGO)
- Processes a wide range of GPS and Total Station sensors
- Runs on multiple platforms, including Allegro CX™

Spectrum Survey Suite post-processing software.

- Complete Windows®-based software package
- Supports commonly used methods of survey data collection, including static, rapid-static, kinematic and stop-and-go
- Provides all the tools you need to manage your project – from planning to processing, adjusting and analyzing GPS surveying data

The SOKKIA Difference

SOKKIA has been developing advanced products for surveying professionals around the world since 1920. We are very proud of our **heritage**. It is our mission to provide you with products of the highest **quality** so you can do the job right the first time – every time. And we **support** our products long after the sale is complete. With that kind of **value**, it is no wonder surveyors everywhere count on SOKKIA for their most important projects.

SOKKIA