

### The GSR2600 System

- High performance GPS receiver
- SK600 L1/L2 GPS antenna
- SDR8100 electronic field book
- Ergonomic rover backpack
- Spectrum Survey Suite® software V3 processing and adjustment software

### Static Applications

- Boundary surveys
- Control densification
- Establish station pairs for total station survey
- Position aerial photo panels
- Position aerial towers
- Section corner surveys

### Kinematic Applications

- As-built mapping
- Construction stakeout
- Map utility lines, cables and piping
- Natural resource mapping
- Plan haul roads
- Road construction surveys
- Topographic mapping



# GSR2600 Receiver Specifications

## Position Accuracy<sup>1</sup>

RTK	1.0 cm + 1 ppm (horizontal), 2.0 cm + 1 ppm (vertical)
Static, Rapid Static	0.5 cm + 1 ppm (horizontal), 1.0 cm + 1 ppm (vertical)
Kinematic, Stop-and-Go	1.0 cm + 1 ppm (horizontal), 2.0 cm + 1 ppm (vertical)

**Channels** 12 L1/L2 channel pairs

## Time to First Fix

Cold Start	60 sec (typical)
Signal Reacquisition	0.5 sec L1 (typical), 6 sec L2 (typical)
Data Rates	10 HZ

## Operation

Front panel keyboard to navigate LCD display. One 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 (8MB card provided)

## Physical Characteristics

Weight	1.3 kg (2.9 lb)
Size (max. l x w x h)	153 mm x 160 mm x 70 mm (6.03 in x 6.30 in x 2.76 in)

## Environmental

Operating Temperature	Receiver — -40°C to +55°C (-40°F to +131°F), LCD 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	RTCA/DO-160 D category R (equivalent to IPX7)
Shock	1m drop

## Power Requirements

Power Input	+6.5 to +18 Volts DC
Logging	4 W (typical)
Sleep Mode	0.25 W
Batteries	Several battery options available
Operating Time	Operating time will vary depending upon the battery

## External Ports

2 x RS-232 ports, 1 x external power port, 1 x antenna port

## Standard Input/Output Formats

RTCA, RTCM, CMR, NMEA-0183 out, PPS out, Mark In

1. Accuracy depends on the number of satellites visible, obstructions, satellite geometry (DOP), occupation time, multipath effects, atmospheric conditions, baseline length, survey procedures and data quality.

Numbers shown are at 95% confidence level for baselines not exceeding 10 km.

Design and specifications are subject to change without notice

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