



# GSR2700 RS

Internet GPS Reference  
Station and Software

## GSR2700 RS Features

- State-of-the-art, high-precision, dual-frequency GPS receiver
- Includes a Pentium-based PC with 80 GB hard drive
- 19" rack mount to fit standard 19" PC equipment racks (rails included)
- Compatible with a variety of SOKKIA GPS antennas
- Built-in ethernet port for easy connectivity

## Software Features

- Provides data access 24 hours a day, 7 days a week
- Accessible from any computer with an available Internet browser
- Create custom data collection sessions and log several sessions simultaneously
- Create customized files — name, duration, epoch interval, sessions (time and length), elevation mask
- Log data in native or RINEX format
- Control receiver remotely through an Internet connection
- Compatible with GSR2600, GSR2650 LB, GSR2700 RS and Radian IS receivers
- Graphical plots of current and past satellite information (number, DOP, etc.)
- Customize user accounts to limit accessibility
- User-defined site configuration
- Remote upload of receiver firmware
- Sends files automatically to FTP server
- Automatic system status notification via e-mail
- User-defined automatic clean up of data files
- Run on Microsoft® Windows® XP Professional for optimal performance



System includes the GSR2700 RS with pre-installed Reference Station software!

Or purchase the Reference Station software as stand-alone.



Access valuable GPS information via the internet!

## GSR2700 RS Specifications

### Position Accuracy

Static<sup>1</sup> 0.5 cm + 1 ppm (horizontal); 1.0 cm + 1 ppm (vertical)

### Channels

12 x L1 and 12 x L2 full code and carrier

### Time to First Fix

Cold Start 50 sec (typical)  
Signal Reacquisition 0.5 sec L1 and 1.0 sec L2 (typical)  
Data Rates<sup>2</sup> 20 Hz\*

### Physical Characteristics

Weight 11.14 kg / 14.66 kg with rack rails 24.5 lbs / 32.25 lbs with rack rails  
Dimensions 44.5 mm x 430 mm x 609.2 mm 1.75 in x 16.93 in x 23.89 in

### Environmental Aspects

Operating Temperature<sup>3</sup> +5° C to +35° C +41° F to +95° F  
Non-operating Temperature -40° C to +70° C -40° F to +158° F  
Non-operating Humidity 95% non-condensing at 30° C 95% non-condensing at 86° F

### Power Supply

Rated for 350 watts of power at the following voltages:  
• 100-127 V at 50/60 Hz; 5.67 A max  
• 200-240 V at 50/60 Hz; 2.89 A max

### Ports

1 x Antenna, 2 x RS232, 1 x Power Port, 1 x Ethernet Port

## Reference Station Software Minimum Hardware Requirements

**Operating System** Microsoft® Windows® XP Professional (Recommended for optimal performance)

**Processor** 233 MHz Intel Pentium / Celeron family, or AMD K6 / Athlon / Duron family, or other compatible processor

**Memory** 128 MB RAM / 20 MB hard disk space

**Display** Super VGA (800 x 600) monitor and video adapter

**Drives** CD-ROM or DVD drive

**Input** Keyboard and Mouse

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. Numbers shown are for baselines not exceeding 10 km.

2. Maximum data rate is dependent on number of active sessions and data being collected.

3. Maximum rate of change not to exceed 10° C per hour.

### Dealer Information

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