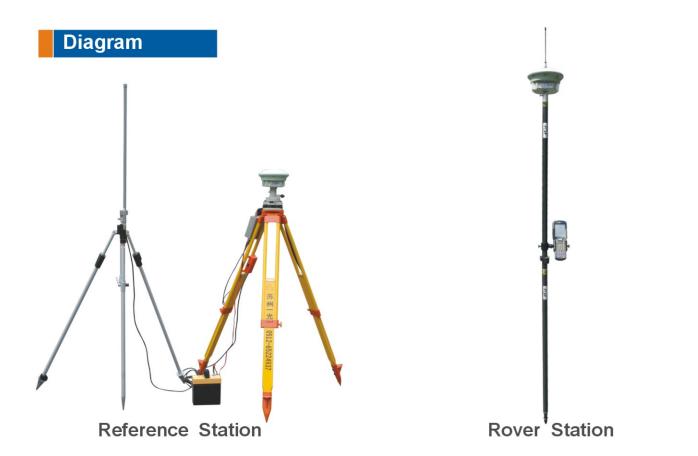
Standard Components

Reference Station G9-1-100 G9-1-200 G9-1-300 G9-1-400 G9-1-500 Receiver Li-ion Battery Wireless Radio Accumulator **UHF** Antenna





Specifications

Receiver		Position update and lantency	
Туре	Dual-frequency	Position update rate	Up to 1sec (1Hz)
Mainboard	Rugged OEM	Position lantency	0.03sec or less
No. of channels	Parallel 24 channels	Real-time RTK and DGPS/RTCM Data Formats	
LED status indicators	3 for power, tracking and bluetooth		Real-time RTK standard
Communication	RS-232, Bluetooth	RTK Data Formats	DGPS/RTCM standard
Data download	RS-232, USB		RTCA, RTCM, RTCMV3, CMR and NMEA
Power supply	2 Li-lion battery	Data links	
	Working time: >12 hours	Radio modems	For SGS328 Real-time RTK rover: The min
	Charging time: < 4 hours		size of UHF (230MHz) radio modem integrat
Weight	1 kg		into SGS328 Rover housing
Dimensions	φ 20cm x h10cm		
Temperature, operating	J -20℃ ~ +60℃		For SGS328 Rea-time RTK reference setu
Temperature, storage	-30℃ ~ +65℃		An external UHF (230MHz) radio can choo
Humidity	Up to 100%		any channels between 0 and 9. You need
Rain/Dust	IEC 529, classification IP64		external power source for the radio.
Shock and vibration	Withstands 1m drop onto hard surfaces	Working distance	Static: ≤80 km
	Withstands vibrations during operation on large		RTD: ≤50km
	civil construction machines		Limited: 25 km
Measurement precision	and Position accuracy		RTK: Normal: 10~15 km
Post processing	Static (H & V): ± (5mm+1ppm)	Controller	
Real-time (rms)	RTK:	Working distance	≤10m (for Buetooth)
	Hoizontal: ± (10mm+1ppm)	Processor	400MHz Intel Xscale PXA255
	Vertical: ± (20mm+1ppm)	Operation system	Microsoft Windows CE.NET 4.2
	RTD: ±0.45m	Display	Colour touch screen display
Measuring precision:	C/A code phase 6cm rms	Memory	64M flash, 128M RAM
	L1 carrier phase:	Communication	Integrated Bluetooth
	Differential 0.75mm rms	Operating temp	-10℃ ~ +50℃ (14°F to 122°F)
	L2 P code 25cm rms	Storage temp	-25℃ ~ +60℃ (-13°F to 140°F)
	L2 carrier phase:	Humidity	5-95% RH non condensing
	Differential 2mm rms	Rain/Dust	IEC 529, classification IP54
ata recording		Shock	Multiple 1.2m (4 ft) frops to polished concret
Standard medium	Internal memory for receiver: 64MB	Others	
Data capacity	■ 200h L1+L2 data logging at 5s rate	Summary of measuring:	Static, Rapid static, Kinematic
	■ 500h L1+L2 data logging at 15s rate	Onboard software:	FOIF RTK

Illustrations, descriptions and technical specifications are no binding and may change.

Related Product

SGS318 Integrated Static GPS Receiver

- Highly-integrated GPS antenna, OEM mainboard, bluetooth module and power system
- Built-in wireless bluetooth technology
- Positioning precision:

Horizontal precision: ≤(5mm+1ppm) Vertical precision: ≤(10mm+1ppm)

Long life Li-ion battery (<40h working)





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Local Dealer: vidaLaser sas



SGS328 Integrated RTK **GPS** Receiver



FOIFSGS328

Integrated SGS328 RTK GPS is the latest generation system of FOIF GPS products. The concept for whole integrative machine of SGS328 makes RTK GPS unprecedented concision and high effectiveness. The complete set of equipment can throughly gets rid of cable, big power source fetters, brings the brand-new surveying experience for you.

The revolutionary integrated SGS328 GPS receiver combines a dual-frequency GPS antenna, OEM main board, wireless Bluetooth communication module, UHF data link and li-ion battery into a single compact unit. You can measure the whole surveying area with a carbon fiber pole. The SGS328 receiver makes surveying more convenient, effective and easy with the built-in wireless Bluetooth.



Integrated:

Highly integrated dual-frequency GPS antenna, OEM main board, Bluetooth module, UHF data link and power system

Advanced Technology:

Bluetooth module, wireless

Reliability:

Features

Imported OEM mainboard

Professional radio communication tech for data link

Multi-Function:

RTK, RTD & static collection

Convenient:

Carbon fiber pole, fine Controller bracket

User Friendly:

Every instrument is equipped with one data controller, makes info displaying, data downloading, factors input to be an enjoyment.

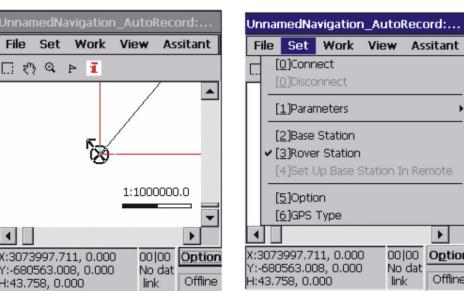


Ultra-rugged handheld Controller

The Controller is a flexible, programmable and expandable portable data collection terminal, designed for a range of data collection needs. It is avaiable with Windows CE.NET configurations. The Controller delivers the performance, ruggedness and durability required for mobile data collection in an ergonomic package. Using industry standards, the design ensures of integration with your infrastructure. Unparalleled expansion and connectivity options enable a high degree of customization in order that the Controller can be tailored to your application.

On-board software FOIF RTK

FOIF RTK was designed according to customer requirements, look on data collection, pipeline piling, transect mapping, vehicle and ship, navigation and so on. Multi-domain, real-time graphics compilation, easy and convenience short-cut operation, provided with wide upgrade space.



Main menu

You see immediately what you have done. Zoom in for details and out for the entire survey. Use the touch screen or keyboard to access your requirement

[1]Parameters [2]Base Station ✓ [3]Rover Station [4]Set Up Base Station In Remote [5]Option [6]GPS Type X:3073997.711, 0.000 00|00 **Option** :-680563,008, 0,000 No dat link Offline H:43.758, 0.000

Operations

Rich menus performs perfect operations. There are File. Set. Work, View and Assistant, User could easily and freely shift between them.

ок × Set rover station High option satellite parameters [14] Difference model: Telegraph: Difference format: [Intervals(s): COM2 Difference port: 9600 Baut rate: Diffe-frenquency: Inner UHF radio 🔻 Data Link: Default set[A] GGA 1

Bluetooth

Settings

RTK GPS supports many datalink accesses, and could be compatible nomal datalink formats. FOIFRTK is supplied with many useful programs, such as Data collect. Stakeout, etc.

Post-process Software

Powerful, easy and quick operation, FOIF2006 could meet everything that you need. Intuitive graphical interface makes your operation more effecient. You can manage the GPS status by rich infromation: Navigation, accuracy real-time display, data link and the active satellite

Numerous transfrormations, ellipsoids and projections, as well as user-defined geoid models and specific coordinate systems which are supported.

User could visit our website www.foif.com.cn to download lasted software.



Baseline Information The powerful software manages

powerful function. Perform baseline processing, you can view all baselines and their information in the list.l



Baseline Report

Main Menu

reporting, expect, etc.

Everything you need in this softw

re: import, visualization, conver-

sions, processing, adjustment,

It has outstanding, easy to view

and user--friendly interface.

The detailed infromation of processing data could be viewed here.

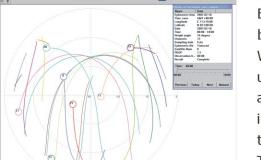
Application



Stakeout



Navigation



Start Report

Before operation in field, it is better to prepare data in office. With this professional software, user could edit data more easy and effcient. The status surveying time segment gives you details, such as Ephemeris time, Time zone, Longitude, Latitude, Data, channels, etc.



Control Survey