

SPECIFICATIONS

TRACKING

Number of Channels	216 Universal Channels
Signals Tracked	G3 Technology – GPS, GLONASS and GALILEO*

WAAS/EGNOS/MSAS

WAAS/EGNOS/MSAS	Yes
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ACCURACY

RTK	H: 10 mm + 1 ppm
	V: 15 mm + 1 ppm
Static/Fast Static	H: 3mm + 0.5ppm
	V: 5mm + 0.5ppm

COMMUNICATIONS

Optional Radio Type	Integrated UHF TX/RX, or 915MHz Spread Spectrum
Base Radio Output	0.01 - 1.0W, user selectable
Cellular Communications	Integrated GSM/GPRS or CDMA****
Wireless Communications	Integrated Bluetooth® 2.0 compliant

DATA & MEMORY

Memory	Internal, Removable SD/SDHC Memory Card
Data Update/Output Rate	1Hz – 100Hz Selectable***
Real Time Data Output	TPS, RTCM SC104, CMR, CMR+
ASCII Output	NMEA 0183 version 2.x and 3.0

ENVIRONMENTAL

Enclosure	Magnesium I-Beam Housing
Operating Temperature	-40 to +70°C**
Dust/Water Protection	IP66
Shock Rating	2 meter pole drop to concrete
	IEC 60068-2-29, IEC 60068-2-27
Vibration Rating	SAE J1211, Section 4.7
	MIL-STD 202G, Method 214A

1 Patent pending. Multiple patents are associated with Fence Antenna™ technology.

***GIOVE A/B test satellites are available for signal evaluation and test purposes.**

**** -30 to +60°C with integrated batteries**

***** Data rates from 10 - 100hz and higher available as option**

****** GSM/CDMA available as factory options**

† RMS Value unless otherwise specified. Accuracy will vary depending on the number of satellites used, obstructions, satellite geometry (PDOP), occupation time, multipath effects, and atmospheric conditions. Performance may be degraded in conditions with high ionospheric activity, extreme multipath, or under dense foliage. For maximum system accuracy, always follow best practices for GNSS data collection.