



TG

Wearable High Precision
Positioning GNSS Receiver

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The TG is a wearable high precision positioning product with optional sub meter and centimeter level accuracy. Its stylish industrial design is light and strong and can respond to a variety of harsh field operating conditions. The battery is replaceable, which satisfies the demand for a long work day. The TG is compatible with iOS, Android, Windows Mobile operating systems, Bluetooth, Serial COM Ports, various types of tablet PC computers and smart phones. Intelligent terminals allow the TG to provide high-precision positioning data. It can be used in an variety of applications such as electric power inspection, forestry, surveying, pipeline inspection, geological surveying, territorial law enforcement and other fields which require a high level of precision.



Specification

	Model	TG-U1	TG-U2	TG-U3	TG-T1	TG-T2	TG-T3	TG-H1
GNSS Performance	GPS	L1	L1	L1	L1	L1, L2	L1, L2, L5	L1, L2, L5
	GLONASS	Alternative	Alternative	Alternative	G1	G1, G2	G1, G2, G3	G1, G2
	BD				B1	-	B1, B2	B1, B2, B3
	GALILEO	-	-	-	E1	E1	E1, E5	E1, E5
	Channels	72	72	72	220	220	220	394
	Time to First Fix	<29s	<29s	<29s	<45s	<45s	<45s	<60s
	Maximum update rate	<=5Hz	<=5Hz	<=5Hz	<=20Hz	<=20Hz	<=20Hz	<=20Hz
Accuracy (Internal Accord accuracy)	Autonomous	2.5m	2.5m	2.5m	1.2m	1.2m	1.2m	1.2m
	SBAS	2m	2m	2m	0.5m	0.5m	0.5m	0.5m
	DGPS	1.5m	1.5m	1.5m	0.25m	0.25m	0.25m	0.3m
	RTK	2.5cm+1ppm	-	-	0.8cm+1ppm	0.8cm+1ppm	0.8cm+1ppm	0.8cm+1ppm
	Atlas	-	-	-	-	-	-	H10 (4cm) H30 (15cm) H100 (50cm)
Communications	Bluetooth	Bluetooth, Android / Windows Mobile / iOS						
	Serial port	√						
Overview	Dimension	137mm x 72mm x 50.4mm						
	Weight	<350g						
Environment Specification	Operating temperature	- 20℃ ~ +60℃						
	Storage temperature	- 30℃ ~ +70℃						
	Sand, dust&water	IP65						
	Drop	1.5m						
Power	Detachable battery	3400mAh, 7.2V						
	Working time	>=24h	>=24H	>=24H	>=12H	>=12H	>=12H	>=8H
	Charging time	2.5h, via cable						
Accessories	Standard	Battery, Power Adapter, Fischer to DC IN cable, Arm band						
	Optional	Battery, DB9 to Fischer cable, Fisher to TNC cable, TNC to TNC cable, Docking Station						
Supported Software	Supported Software	HyperGIS (Android) , SurvCE (Windows Mobile) , FieldGenius (Windows Mobile) , SuperSurv(Windows Mobile/Android)						

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