









Gladiator Technologies, Inc.



Gladiator Technologies, Inc.
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LandMark™ Inertial Systems and Product Models											
Export Classification: Commerce ECCN7A994											
Product Family		Digital Analog	Description	ARW Noise	In-Run Bias	IMU	VG	AHRS	GPS/ AHRS	VG/ GPS	INS/ GPS
LandMark™ 50		Digital	Low Noise	0.001°/sec/√Hz	1°/hour	✓	✓	✓	✓	✓	✓
MRM50		Analog				✓					
LandMark™ 40		Digital	High Performance	0.002°/sec/√Hz	10°/hour	✓	✓	✓	✓	✓	✓
MRM40		Analog				✓					
LandMark™ 30		Digital	Mid Perf. 1" Cube	0.003°/sec/√Hz	8°/hour	✓	✓	✓	✓	✓	✓
MRM30		Analog				✓					
LandMark™ 21		Digital	Mid Performance	0.01°/sec/√Hz	15°/hour	✓	✓	✓			
MRM21	Analog	✓									
LandMark™ 20		Digital	Economy Perf./Cost	0.01°/sec/√Hz	15°/hour	✓	✓	✓	✓	✓	
MRM20		Analog				✓					
LandMark™ 10		Digital	Economy Perf./Cost	0.014°/sec/√Hz	25°/hour	✓	✓	✓	✓		
MRM10		Analog				✓					

In Development



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LandMark™ Product Family Inertial Performance Comparison

Export Classification: Commerce ECCN7A994

Rev. 03/29/2011

PRODUCT FAMILY	LandMark™ 10	LandMark™ 20	LandMark™ 21	LandMark™ 30	LandMark™ 40	LandMark™ 50
SPECIFICATION	75°/sec & 2g Accel	75°/sec & 2g Accel	75°/sec & 2g Accel	100°/sec & 2g Accel	100°/sec & 2g Accel	100°/sec & 2g Accel
Gyro In-Run Bias °/hour 1σ	25	15	15	8	10	1
Accel In-Run Bias mg 1σ	0.1	0.02	0.02	0.02	0.03	0.02
Gyro Bias Repeat Over Temp %s 1σ	0.1	0.05	0.05	0.03	0.03	0.015
Accel Bias Repeat Over Temp mg 1σ	3	1.2	2	1	1	1
Gyro Noise %s/√Hz Typical	0.014	0.01	0.01	0.003	0.002	0.001
Gyro Noise %/√Hr Typical	0.594	0.424	0.424	0.127	0.085	0.042
Accel Noise mg/√Hz Typical	0.07	0.05	0.07	0.04	0.04	0.04
Accel Noise Meters/sec/√Hr Typical	0.029	0.021	0.029	0.017	0.017	0.017







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Gladiator Technologies Gyro and Accelerometer Products Export Classification: Commerce ECCN7A994					
Product Family		Digital Analog	Description	ARW Noise	Unmodelled In-Run Bias
G150Z		Analog	Ultra Low Noise	0.001°/sec/√Hz	2°/hour
G200		Analog	Dual Axis Gyro	0.002°/sec/√Hz	10°/hour
G100Z		Analog	Low Noise	0.003°/sec/√Hz	8°/hour
G50Z		Analog	Standard	0.006°/sec/√Hz	15°/hour
A40		Analog	Standard	0.025mg/√Hz	0.25mg
A45		Analog	High-G	0.7mg/√Hz	1mg