



GLADIATOR TECHNOLOGIES

MEMS INERTIAL SENSORS AND SYSTEMS FOR YOUR APPLICATIONS



- Bogie Monitoring
- Ride Comfort
- Track Telemetry
- Track Geolocation



- Guidance & Navigation
- Flight Control
- Flight Test / Avionics
- Antenna / Platform Stab.
- EO / IR Stabilization



- Motorsports Racing
- Test Track
- Motion Monitoring
- Brake Testing
- CANBUS Output



- Unmanned Vehicles
- Agriculture / Heavy Equipment
- Image Stabilization
- Instrumentation & Robotics



- Antenna / Platform Stab.
- E/O Imaging Stabilization
- Marine Motion Monitoring
- Marine Compass / AHRS

IMU & VG



INS/GPS



HIGH PERFORMANCE PRODUCTS

- LandMark™ Inertial Systems IMU /VG / AHRS
- GPS-Aided Inertial Systems GPS/AHRS, INS/GPS
- Gyros (Single / Tri-axis)
- Accelerometers
- MRM Analog IMU's

TECHNICAL FEATURES*

- Low Noise 0.001°/sec /√Hz
- Low Bias In-Run (1-2°/hr)
- High Bandwidth 250 Hz
- G-Sensitivity & Axis Alignment Correction
- Up to 18 Hz GPS Update Rate
- 72 Channel GPS / GLONASS / BeiDou / Galileo
- RS422 / RS485 / CANBUS Messaging Protocol
- Full Environmental Conditioning
- Full Temperature Calibration

QMS & CERTS

- Export Classification: Commerce ECCN7A994 Typical
- Quality AS9100C (ISO9001:2008)
- Cage Code 47L11
- DUNS #103372009
- CCR Registered
- SAM Certified
- Lean Manufacturing & Six Sigma

**Performance varies by Product Model*

Address: 8020 Bracken Place SE, Snoqualmie, WA 98065
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Visit Us Online!

www.GladiatorTechnologies.com



Inertial & GPS-Aided System Products *SX Series

Export Classification: Commerce ECCN7A994

Product Family	Type	Digital /Analog	Description	ARW Noise: deg/sec/√Hz	Bias In-Run deg/hour	VRW Noise: mg/√Hz
LandMark™ 60	IMU	RS422/485 CANBUS	Low Noise IMU 1-2 NM/hour	0.0016	3	0.04
	MRM	Analog				
	INS/GPS	RS422/485				
LandMark™ 65	IMU	RS422/485	Low Noise IMU High Dynamic	0.002	7	0.04
LandMark™ 005	IMU	RS422/485	Small Size IMU 5-7 NM/hour	0.0028	5	0.075
	INS/GPS					
LandMark™ 007	IMU	RS422/485	Small Size IMU High Dynamic	0.0045	10	6
DIGS™ 100 NG	Utility	RS422/485	Utility Drilling Guidance	0.0028	5	0.1

Gyros and Accelerometers

Export Classification: Commerce ECCN7A994

Product Family	Description	ARW Noise deg/sec/√Hz	Bias In-Run deg/hour
G300D	Triaxial Gyro- RS422/485	0.0028	5
G150Z	Single-Axis Gyro - Analog	0.001	1-2

GPS Integrated Receiver

**Used in LandMark™ GPS-Aided Systems

Channels	72 Channels
GNSS Receiver	GSP L1C/A, GLONASS L10F, BeiDou B1, GALILEO E18/C*
SBAS	WAAS, EGNOS, QZSS
Max Navigation GPS Update Rate	Up to 18Hz
GPS Horizontal Position Accuracy	Autonomous 2.5m SBAS 2.0m
Velocity Accuracy	0.05m/s

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