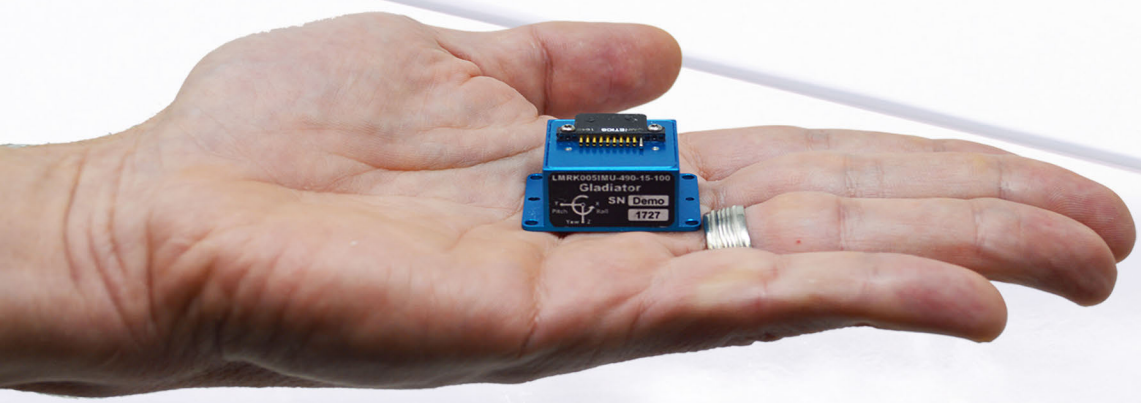
GLADIATOR TECHNOLOGIES

Low Noise. High Performance.

Inertial Systems & Sensors

LOW NOISE. HIGH PERFORMANCE.

Inertial Systems Featuring VELOX™ Processing Technology



WHAT IS VELOX™?

VELOX™ processing technology employs advanced rapid sampling and signal processing techniques to output data at high speed with minimal phase lag. VELOX™ technology enables system designers to replace legacy analog systems with affordable, high speed digital inertial systems and sensors.

APPLICATIONS

UNMANNED SYSTEMS

STABILIZATION

RAIL

NAVIGATION

MILITARY & DEFENSE

UTILITY

INS/GPS

Our INS/GPS units combine Gladiator Technologies' VELOX™ high-speed MEM's sensor technology with a 72 channel GNSS receiver to provide high-accuracy position, velocity, and attitude.

LandMark™005 INS/GPS

LandMark™60 INS/GPS
(with RTK)

	LandMark™005 INS/GPS	LandMark™60 INS/GPS
Heading (GPS)	±0.5°	0.3°
Pitch/ Roll Angles	±0.25°	±0.1°
Velocity Accuracy	0.1m/s	0.05m/s
Free Inertial (typical)	12 NMPH	6 NMPH
GPS Acquisition (cold)	27 sec	29 sec
GPS Acquisition (hot)	1 sec	1 sec
Inertial Update Rate	100 Hz	100Hz

IMUs, GYROS, ACCELS

Our MEMS inertial systems and sensors feature low noise outputs and high speed VELOX™ processing in compact packages. All products are factory calibrated and ready for integration out of the box.

	LandMark™60 LX	LandMark™60 IMU	MRM60 IMU	LandMark™65 IMU	LandMark™007X IMU	LandMark™005 IMU	LandMark™01 IMU	G300D Gyro	G150Z Gyro	A40 Accel
Gyro Dynamic Range	±490°	±490°	±250°	±490°	±2000°	±490°	±490°	±490°	±100°	-
Gyro In-Run Bias (°/h)	5	5	3	5	10	5	10	5	1.2	-
Gyro ARW (°/sec/√Hz)	0.0016	0.0016	0.0016	0.0016	0.0035	0.0028	0.0035	0.0028	.001	-
Accelerometer Range (g)	±15	±15	±06	±40	±200	±15	±10	-	-	6
Accel In-Run Bias (mg)	0.03	0.03	0.025	0.1	5	0.045	0.055	-	-	0.7
Accel VRW (mg/√Hz)	0.028	0.04	0.04	0.035	5	0.075	0.09	-	-	.065
Output (ext sync kHz)	3	6	analog	6	7	8	5	8	analog	analog

OUR TEAM IS HERE TO HELP GUIDE YOU IN SELECTING THE BEST PRODUCT FOR YOUR APPLICATION

www.gladiatortechnologies.com
sales@gladiatortechnologies.com
+1 (425)-396-0829

GLADIATOR TECHNOLOGIES

Rugged. Our units are built to endure rough treatment; shock, temp, and vibration.

SWAP-C; small, lightweight, low power and affordable.

Tested and calibrated over the full temperature range -40°C to 85°C

VELOX™ processing technology outputs data at high speed with minimal phase lag.

Ready to perform out of the box. No field calibration required.

Low Noise and Excellent Bias Stability

NON-ITAR

Get the most from your budget with High Performance systems at half the price of legacy products

VALUE WITHOUT COMPROMISE

MMV GLADIATOR TECHNOLOGIES

www.gladiatortechnologies.com

8020 Bracken Place SE
Snoqualmie, WA 98065
sales@gladiatortechnologies.com
+1 (425)-396-0829