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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Inertial Measurement Units (IMUs)

HG1700 AG58

UIMU-H58 Tactical Grade (RLG) Inertial Measurement Unit (IMU)



The UIMU-H58 contains Honeywell's HG1700, a tactical grade IMU containing Ring Laser Gyros (RLG) and Servo accelerometers. The UIMU-HG handles the power requirements of the IMU from a 12-28 VDC power input and provides the IMU data to a SPAN® enabled GNSS/INS receiver such as the ProPak-V3™ or SPAN-SE™ using a custom NovAtel interface. IMU measurements are used by the GNSS/ INS receiver to compute a blended GNSS/INS position, velocity and attitude solution at up to 100 Hz.

Features

- RLG and Servo accelerometers
- 100 Hz data rate
- Gyro performance of 1 degree/hour

Benefits

- Low noise and stable biases suited to ground and airborne survey
- Complete assembly or individual components available
- Economical with short delivery times
- Easy integration with NovAtel's GNSS/INS receivers
- Supported with industry's highest level of customer service

Attributes

General Info	Length (mm)	195.00
	Width/Diameter (mm)	168.00
	Height (mm)	146.00
	Weight (g)	4500.00
	Typical Power Consumption (W)	8.00
IMU Data Rate	100 Hz	
Gyro Type	Ring Laser	
Performance	Gyro Bias In-run Stability (±deg/hr):	1
	Gyro Bias Offset (deg/hr):	1
	Gyro Angular Random Walk (deg/√hr):	0.125
	Gyro Scale Factor (ppm):	150
	Gyro Range (±deg/s):	1000
	Accelerometer Bias (mg):	1
	Accelerometer Scale Factor (ppm):	300
	Accelerometer Range (±g):	50

Exceptional Price/Performance Value

Honeywell's high production volume of HG1700 IMUs enables excellent tactical grade performance for an economical price with short delivery times. The UIMU-HG is available as a complete assembly including the IMU and environmentally sealed enclosure. For customers who already have the HG1700 IMU, the enclosure can be purchased separately and the IMU easily integrated inside.

Enhance System Accuracy

Take advantage of TerraStar Correction Services with RTK as well as support for satellite based augmentation systems such as SBAS to improve real time performance and accuracy. For the most demanding applications, our Inertial Explorer® post-processing software from our Waypoint® Products Group can be used to post-process SPAN HG data to provide the highest level of accuracy with the system.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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