



QMS & CERTS:

AS9100C &
 ISO9001:2008
 FAA#1LKR990Y
 EASA 145.6103
 ASA-100

Small Business
 Cage Code 0CUF4
 CCR Registered
 JCP Certified

LKD Aerospace is a Global Distributor,
 Manufacturer & MRO of Aerospace Components

Honeywell Inertial Measurement Unit (IMU)

MRO Repairs:

EGT Harnesses
 Thermocouples
 Ignition Leads

Products:

Honeywell: Hi-Rel &
 Airline Thermal Switches
 Q-Flex Accelerometers
 IMU's
 PMA's
 OMAT Consumables
 Circuit Breaker I.D.
 Collars & Lockout Rings
 Triumph Interiors
 Filter Kits
 Nordam Transparencies
 Inertial Sensors & Systems
 INS/GPS
 Dash-8 Butt Plates
 Thousands of Other Parts

Available On:

Aerexchange
 Spec2000
 ILS
 Partsbase
 StockMarket

Honeywell's World-Class Inertial Measurement Units (IMU) consist of the Ring Laser Gyro (RLG) HG1700 and the MEMS HG1900 & HG1930.

These IMU's are world renowned for their high performance, especially in challenging environments. These tactical grade IMU's have been successfully deployed in high volume for both U.S. DoD and foreign militaries.

Key Advantages:

- All Inertial Sensors are Designed & Manufactured by Honeywell
- Proven Performance in a Wide Range of Applications
- RS-422 Serial Interface
- Wide Range of Factory Configurable Protocols & Mounting Options
- Various Isolator/Mouting Options
- High G-Range Availability
- Various Performance Grades Available

Performance Characteristics



Years In Aerospace

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HG1700 Inertial Measurement Unit					
MODEL	RS 422 INTERFACE PROTOCOL	ISOLATOR	PERFORMANCE		
			GYROSCOPE		ACCELEROMETER
			^a Bias %/hr (1σ)	ARW (max)	^a Bias mg (1σ)
HG1700AG58	SDLC	Round	1	0.125	1
HG1700AG63		Square	1	0.125	1
HG1700AG71	Gated Clock	Square	1	0.125	1
HG1700AG37	Asynchronous	Round	1	0.125	1
HG1700AG67		Square	1	0.125	1
HG1700AG59	SDLC	Round	2	0.200	1
HG1700AG64		Square	2	0.200	1
HG1700AG72	Gated Clock	Square	2	0.200	1
HG1700AG60	SDLC	Round	3	0.300	2
HG1700AG65		Square	3	0.300	2
HG1700AG61	SDLC	Round	5	0.500	3
HG1700AG66		Square	5	0.500	3
HG1700AG74	Gated Clock	Square	5	0.500	3
HG1700AG68	Asynchronous	Round	5	0.500	3

HG1900 Inertial Measurement Unit						
MODEL	RS 422 INTERFACE PROTOCOL	ISOLATOR	PERFORMANCE			
			GYROSCOPE			ACCELEROMETER
			^a Bias %/hr (1σ)	^b Bias %/hr (1σ)	ARW (max)	^a Bias mg (1σ)
HG1900CA50	SDLC	Internal	10	1	0.060	1
HG1900BA50	SDLC	Internal	15	1.5	0.090	1
HG1900AA50	SDLC	Internal	30	1.5	0.125	2

HG1930 Inertial Measurement Unit						
MODEL	RS 422 INTERFACE PROTOCOL	ISOLATOR	PERFORMANCE			
			GYROSCOPE			ACCELEROMETER
			^a Bias %/hr (1σ)	^b Bias %/hr (1σ)	ARW (max)	^a Bias mg (1σ)
HG1930CA50	SDLC	Internal	20	1	0.125	5
HG1930BA50	SDLC	Internal	40	1.5	0.125	10
HG1930AA50	SDLC	Internal	60	1.5	0.175	10

IMU Note Key

^a Turn-on to turn-on repeatability from calibration residuals (-54°C to + 85°C)

^b In-run stability measured per IEEE STD 647-1995.