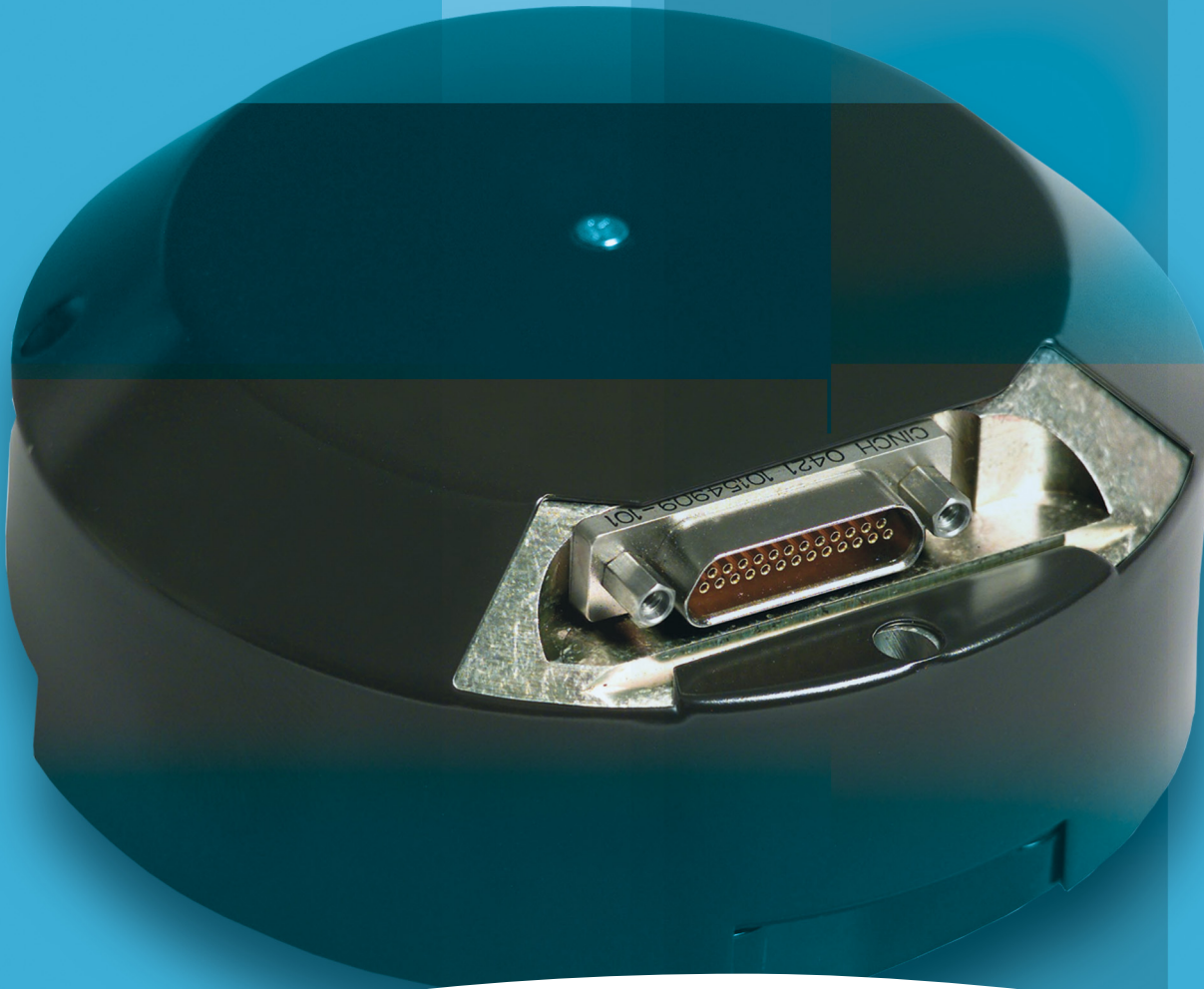


GG1320AN Digital Laser Gyro



**Affordable and advanced sensing technology
combined with unmatched production capabilities
to meet the needs of customers throughout the world**

Honeywell

GG1320AN Digital Laser Gyro

The Honeywell GG1320AN Digital Laser Gyros is an affordable single axis inertial sensor with the electronics and ring laser gyro packaged into an easy to use

compact unit. Its digital I/O enables integration into almost any system, which is illustrated by its use in a variety of applications. The advanced technology contained in

each unit benefits from Honeywell's four decades of ring laser gyro development and the result is a reliable sensor for all types of inertial sensing.

System Specifications

Size	Height 1.77" (4.5 cm) Diameter 3.45" (8.8 cm)	Bias Stability	• GG1320AN 0.0035 deg/hr (typical)
Weight	1 lb. (454 grams)	Angular Random Walk	• GG1320AN 0.0035 deg/root-hour (typical)
Start-Up Time	1 second (typical)	Magnetic Environment, Operating	0.002°/hr/gauss
Shock (Op & Non-Op)	22g, half sine, 11 millisecond	Altitude, Operating	-2,000 ft. to +70,000 ft. (-610 m to +21,336 m)
Temperature Range	• -65°F to +185°F (Operating) -54°C to 85°C • -65°F to +200°F (Non-Operating) -54°C to 93.3°C	Scale Factor - Corrected	1,164,352 ±18 pulses/rev.
Power	15 Vdc, 1.6 Watts nominal 5 Vdc, 0.375 Watts nominal	• Linearity	5.0 ppm of full scale
		• 30-day Stability	5.0 ppm rms
		Sample Frequency	2,000 Hz (typical use) 4,000 Hz (maximum)
		Latence	168 micro-seconds
Interface	RS-422, 25 pin micro "D" Asynchronous, 1 MHz, 8 Bit	Rate Input	900 deg/ sec (maximum)

Random Vibration, Operating

Freq Range (Hz)	Slope (db/octave)	Level (g ² /Hz)
15		0.032
15-60	+6	
60-80		0.5
80-200	-18	
200		0.002

Find out more

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