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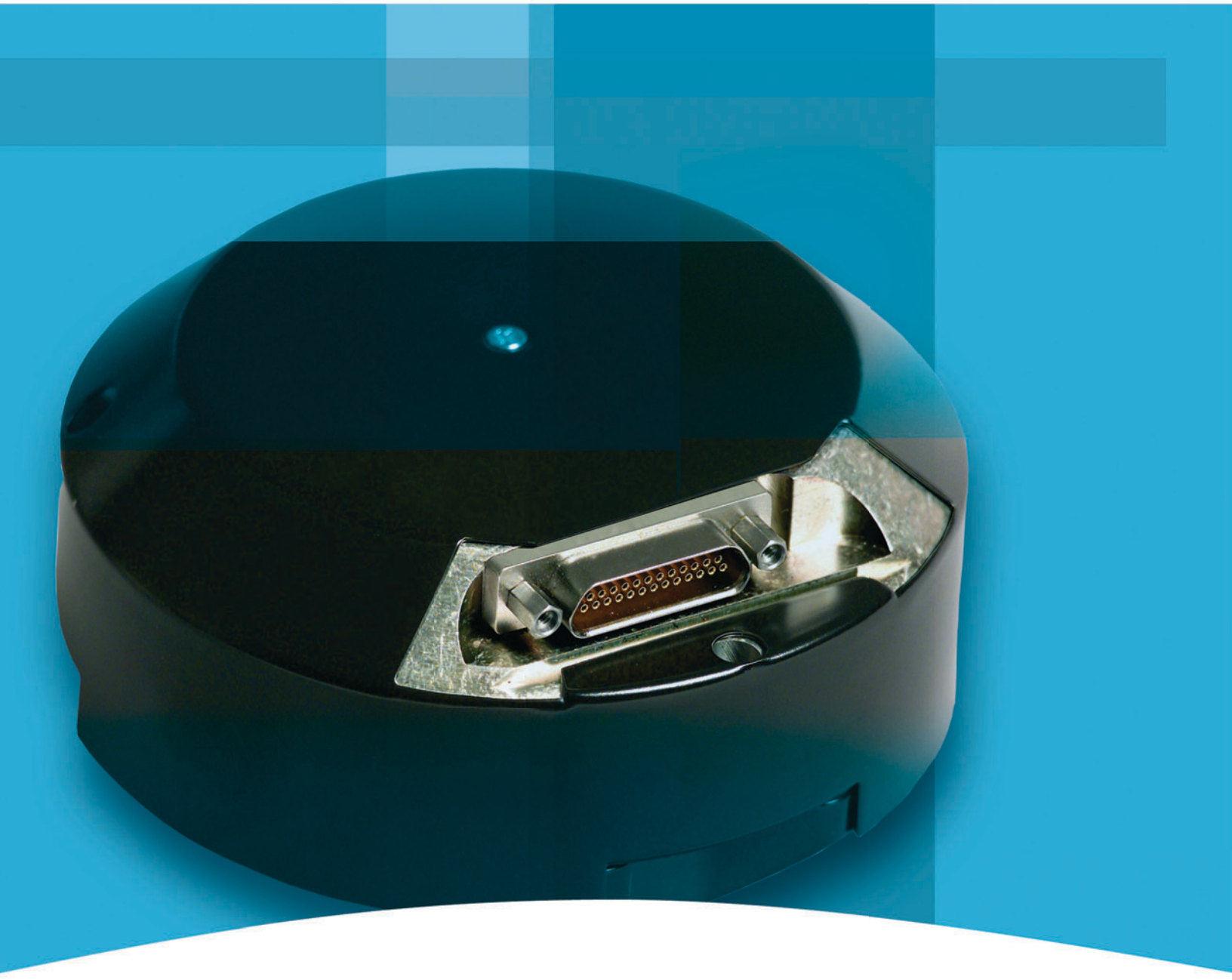
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GG1320AN Digital Laser Gyro



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 GG1320 Digital Laser Gyro 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 including inertial navigation and platform pointing and stabilization. This industry standard navigation grade gyro benefits from Honeywell's four decades of ring laser gyro development. The result is a reliable and cost effective sensor for inertial sensing requiring accuracy and integrity.

System Specifications*

Size	Height 1.77" (4.5 cm) Diameter 3.45" (8.8 cm)	Bias Stability • 0.0035 deg/hr (typical)	
Weight	1 lb. (454 grams)	Angular Random Walk (ARW) • 0.0035 deg/root-hour (typical)	
Start-Up Time	1 second (typical)	Magnetic Environment, Operating	0.002°/hr/gauss
Shock (Op & Non-Op) (See below)	22 g, half sine, 11 millisecond	Altitude, Operating	-20,000 ft. to +80,000 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 • Linearity • 30-day Stability	1,164,352 ±18 pulses/rev. 5.0 ppm of full scale 5.0 ppm rms
Power	15 Vdc, 1.6 Watts nominal 5 Vdc, 0.375 Watts nominal	Sample Frequency Latency	2,000 Hz (typical use) 5,000 Hz (maximum) 168 micro-seconds
Interface	RS-422, 25 pin micro "D" Asynchronous, 1 MHz, 8 Bit	Rate Input	900 deg/ sec (maximum)

*** Please contact Honeywell for additional capabilities**

Random Vibration, Operating

Freq Range (Hz)	Level (g2/Hz)
20	0.73
40	5.27
110	5.27
390	0.002
2000	0.002

Shock

100g, ½ sin, 8 millisecond

For additional information, please contact us at:

Email: SM&MInquiries@Honeywell.com

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

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We buy equipment

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Learn more!

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