

SPACECRAFT SYSTEMS

Metal Coriolis Vibratory Gyroscope (CVG)

The Metal Coriolis Vibratory Gyroscope (CVG) is used in weapon-mounted systems, attitude stabilization platforms, and space applications.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Dimensions (mm)	B110 × L110 × H90
Weight (g)	1000
Power Consumption	≤ 6 W
Communication Interface	RS-422
Design Life	8 years
Bandwidth	≥ 20 Hz
Bias	≤ 5 °/h
Bias Stability (1σ, full temperature)	≤ 10 °/h
Bias Repeatability (1σ)	≤ 1 °/h
Bias Instability (1σ)	≤ 0.1 °/h
Angle Random Walk	≤ 0.007 °/√h
Measurement Range	-20°/s to +20°/s
Scale Factor	10,000 LSB/°/s

Quick Overview

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Key Features

- High reliability
- Space-qualified

Applications

- Used for attitude sensing, stabilization, and control in satellite constellations, aerospace systems, and space-grade inertial navigation platforms.

Documentation & Resources

- [Technical Specifications](#)
- [Applications](#)