



DATASHEET | JULY 2024

*A New Era in Navigation*



### Applications

- BizJet
- Commercial Transport
- Fixed Wing
- Defense Helicopter
- Unmanned Aerial Vehicles
- Spacecraft
- Platform Stabilization
- Camera Stabilization
- Antenna Stabilization

### Key Performance Features

- Exceptional Bias Stability
- Solid-State
- High MTBF (no moving parts)
- Superior Vibration Performance
- Low Noise
- Fast Start-Up

### Ideal for High-Precision Military Applications

The model QRS31 3-Axis Control Quartz System is a compact, lightweight design, that features Quartz MEMS technology based on three solid-state gyros offering virtually unlimited life. The QRS31's combination of high performance and long life makes it well suited for OEM's and system integrators designing cost-effective, high-performance systems.



The QRS31 requires only DC voltage inputs to provide reliable, extremely accurate angular rate measurements with the benefit of no moving parts. With a hermetically sealed sensing element, the QRS31 has provided reliable performance in aircraft, missile and space systems across many demanding application environments.

### Performance Highlights

Parameter	
Standard Range	±150°/sec
Input Voltage	± 15 ± 1 VDC
Output	± 20 VDC Differential
Scale Factor	.133 V/°/sec (2)
G-Sensitivity	<± .02°/sec/g
Operating Temperature Range	-54 °C to +80 °C
Natural Frequency	>100 Hz
Vibration Rectification	± .03°/sec

