

ER-RG-8 High Precision Semi-Liquid Floating Rate Gyro

Introduction

ER-RG-8 High Precision Semi-Liquid Floating Rate Gyro has more high precision and strong anti-vibration ability, high reliability compared with the traditional semi-liquid rate gyro. It is suitable for the flight control system, the speed measuring system and the servo system.

Specifications

Parameter	ER-RG-8
Motor Power Supply	26V 800Hz two phase square wave
Excitation Power Supply	8.5V 9600Hz single phase sinusoidal wave
Start Time	≤40s
Measurement Range	±90°/s
Threshold	≤0.002°/s
Resolution	≤0.002°/s
Zero (Normal temp)	≤0.04°/s
Zero Stability	≤0.01°/s
Zero Error of Six Positions	≤0.02°/s
Scale factor	≥0.5mA/(°/s)
Linearity	≤0.1%(F·S)
Operation Temperature	-55~+85°C
Vibration	0.12g ² /Hz
Impact	100g
Dimension	Φ26.5×74mm
Weight	≤200g