

ER-RG-7 Semi-Liquid Floating Gyro(Substitute of Honeywell liquid floating gyro)

Introduction

ER-RG-7 Semi-Liquid Floating Gyro(Substitute of Honeywell liquid floating gyro) has the characteristics of strong anti vibration ability, high reliability and low cost and can replace US Honeywell and France Sagem liquid floating gyro. It is suitable for the flight control system, the speed measuring system and the servo system.

Specifications

Parameter	ER-RG-7
Motor Power Supply	26V 400Hz two phase sinusoidal wave
Excitation Power Supply	7V 400Hz single phase sinusoidal wave
Start Time	$\leq 60s$
Power Consumption	$\leq 7.3W$
Measurement Range	$\pm 60^\circ/s$
Threshold	$\leq 0.05^\circ/s$
Resolution	$\leq 0.05^\circ/s$
Zero Voltage	Normal temp $\leq 25mV$
Zero Stability	$\leq 0.03^\circ/s$
Zero Error of Four Positions	$\leq 0.06^\circ/s$ -
Scale factor	Normal temp $\geq 90mV/(^\circ/s)$
Linearity	$\leq 2\%$ (F·S)
Natural Frequency	$\geq 20Hz$
Damping	0.5~0.8 (Normal temp)
Operation Temperature	-55~+60°C
Vibration	0.06g ² /Hz

Impact	15g (Customizable: 50g)
Dimension	Φ25.4×55.4mm
Weight	≤120g