

ER-RG-6 High Accuracy Liquid Floating Rate Gyroscope

Introduction

ER-RG-6 High Accuracy Liquid Floating Rate Gyroscope has the characteristics of high position accuracy, good repeatability, strong anti-vibration ability and excellent dynamic performance. Compared with the traditional half liquid buoyancy feedback gyroscope, it has the characteristics of small volume, low power consumption, fast start up and light weight. It is suitable for high precision, small volume servo stabilization system.

Specifications

Parameter	ER-RG-6
Motor Power Supply	14V 1200Hz two phase sinusoidal wave
Excitation Power Supply	7V 9600Hz single phase sinusoidal wave
Start Time	≤30s
Measurement Range	±90°/s
Threshold	≤0.002°/s
Resolution	≤0.002°/s
Zero (Normal temp)	≤0.04°/s
Variation of high and low temperature	≤40mV
Zero Stability	≤0.008°/s
Zero Error of Six Positions	≤0.03°/s
Scale factor	≥100mV/(°/s)
Linearity	≤0.2% (F·S)
Operation Temperature	-55~+70°C
Vibration	0.12g ² /Hz
Impact	60g

Dimension	$\Phi 25.4 \times 61 \text{mm}$
Weight	$\leq 150 \text{g}$