

ER-FOG-25 Low Cost FOG Rate Gyroscope (Specially Designed Substitute of Liquid Floating or Semi-Liquid Floating Rate Gyro)

Introduction

ER-FOG-25 High Precision & Low Cost FOG Rate Gyro (Specially Designed Substitute of Liquid Floating Rate Gyro) is specially designed for attitude measurement of vehicle, and can substitute liquid floating or semi-liquid floating rate gyro. It is simple to install, easy to use, stable and reliable. Users only need to use a plug to provide power supply, external motherboard, and receive gyro output data. The product can be also used for navigation, guidance and other fields.

Specifications

Measuring range: $500^{\circ}/s$, adjustable;

Bias stability of (1σ): $1-5^{\circ}/h$;

Resolution: $0.5^{\circ}/h$;

Scale factor non-linearity (1σ): 300ppm;

Random walk coefficient: $0.1 (^{\circ}/\sqrt{h})$;

Bandwidth: not less than 400Hz;

Power consumption: less than 3W;

Working temperature:

M1A: -40°C to $+60^{\circ}\text{C}$;

M2: $-55^{\circ}\text{C}\sim+85^{\circ}\text{C}$;

Power Supply: $\pm 5\text{V DC}$ (Power Accuracy $\pm 5\%$, Ripple Less than 30mV)

interface: RS-422

Dimensions: $\varnothing 25\text{mm} \times 40\text{mm}$

Weight: $60 \pm 5\text{g}$

Dimension Figure

