

## **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 ( $1\sigma$ ):  $1-5^{\circ}/h$ ;

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

Scale factor non-linearity ( $1\sigma$ ): 300ppm;

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

Bandth: not less than 400Hz;

Power consumption: less than 3W;

Working temperature: M1A:  $-40^{\circ}\text{C}$  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:  $\phi 25\text{mm} \times 40\text{mm}$

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

#### **Dimension Figure**

