

## ER-FOG-60 Small Size Fiber Optic Gyroscope

ER-FOG-60 small size fiber optic gyroscope is an important angular rate sensor, which has the characteristics of long life, fast start up, high precision, lower power consumption, wide dynamic range and so on. It plays an important role in aerospace, weapon navigation, platform stabilizer, UAV and other fields.

### Application

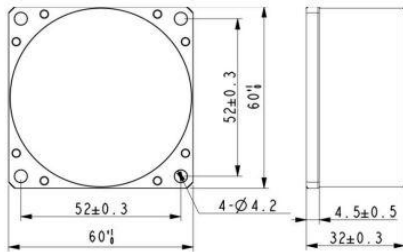
Small IMU、INS、missile seeker

Servo tracking、photoelectric pod、drone

### Specifications

Item	Unit	ER-FOG-60A	ER-FOG-60B	ER-FOG-60C	ER-FOG-60D
Measuring range	°/s	-1000~+1000	-1000~+1000	-1000~+1000	-1000~+1000
Zero offset stability	°/h	≤ 0.06	≤ 0.1	≤ 0.3	≤ 0.5
Zero bias repeatability	°/h	≤ 0.06	≤ 0.1	≤ 0.3	≤ 0.5
Random walk coefficient	°/√h	≤ 0.006	≤ 0.01	≤ 0.03	≤ 0.05
Scale factor non-linearity	ppm	≤ 50	≤ 60	≤ 70	≤ 100
Scale factor repeatability	ppm	≤ 50	≤ 60	≤ 70	≤ 100
Scale factor asymmetry	ppm	≤ 50	≤ 60	≤ 70	≤ 100
Start Time	s	≤ 1	≤ 1	≤ 1	≤ 1
Bandwidth	Hz	>200	>200	>200	>200
power supply	V	- 5~+5	- 5~+5	- 5~+5	- 5~+5

power	W	≤ 18	≤ 18	≤ 18	≤ 18
Operating temperature	°C	-45~+65	-45~+65	-45~+65	-45~+65
Storage temperature	°C	-45~+85	-45~+85	-45~+85	-45~+85
Vibration	/	2g (RMS), 20Hz~2000H			
Shock		40g, 1 ms	40g, 1 ms	40g, 1 ms	40g, 1 ms
output method	/	RS-422	RS-422	RS-422	RS-422
Connector	/	J30J-15TJL/Color line			
Dimensions	mm	Φ60×3	Φ60×3	Φ60×3	Φ60×3



Note: Unfilled dimensional tolerances are performed in accordance with GB/T1804-2000 Class C.

Figure 1 Outline of ER-FOG60A, B, C, and D fiber optic gyroscopes