

ER-TFOG-60 Low Cost Three Axis Fiber Optic Gyroscope

Application

Servo tracking、 medium precision INS、 platform stability

High-speed rail track detection、 photoelectric pod

Satellite communications

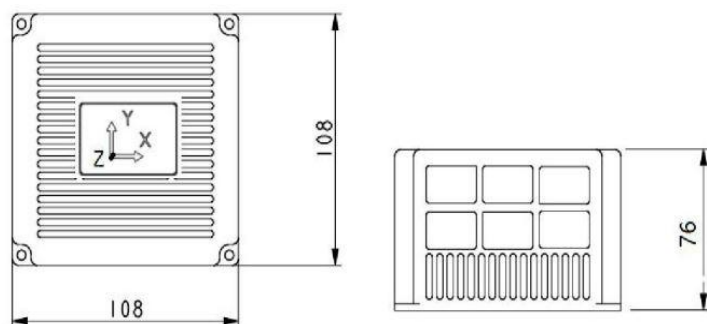
On-the-Move (SOTM)

Unmanned vehicle

Specifications

Item	Unit	ER-TFOG-60A	ER-T-FOG60B	ER-T-FOG60C	ER-T-FOG60D
Measuring range	°/s	-600~600	-600~600	-600~600	-600~600
Bias stability	°/h	≤0.1	≤0.3	≤0.5	≤1.0
Bias repeatability	°/h	≤0.1	≤0.3	≤0.5	≤1.0
Random walk coefficient	°/√h	≤0.01	≤0.03	≤0.05	≤0.1
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	-40~+65	-40~+65	-40~+65	-40~+65
Storage temperature	°C	-45~+85	-45~+85	-45~+85	-45~+85
Vibration	/	2g (RMS), 20Hz~2000Hz			
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-9TJL	J30J-9TJL	J30J-9TJL	J30J-9TJL



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

Figure 1 ER-TFOG-60A, B, C, D type three-axis fiber optic gyroscope dimensions