

Features:

Digital closed loop mode

Zero bias stability: 0.002~0.007°/h

Volume: Φ120mm×39mm

Typical application:

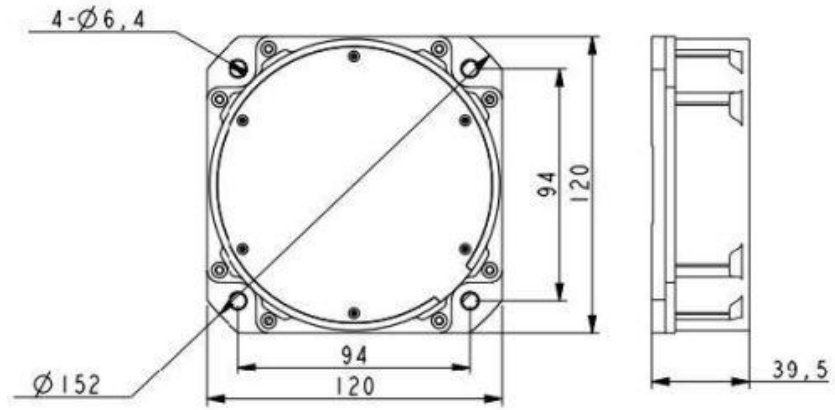
Precision north

High precision inertial navigation system

Car positioning orientation

Typical technical indicators:

Item	Unit	ER-FOG120HA	ER-FOG120HB	ER-FOG120HC	ER-FOG120HD
Measuring range	°/s	-500~500	-500~500	-500~500	-500~500
Zero offset stability	°/h	≤ 0.002	≤ 0.003	≤ 0.005	≤ 0.007
Zero bias repeatability	°/h	≤0.001	≤ 0.002	≤0.003	≤0.005
Random walk coefficient	°/√h	≤0.0003	≤0.0005	≤0.0008	≤0.0009
Scale factor nonlinearity	ppm	≤ 2	≤5	≤ 10	≤ 20
Scale factor repeatability	ppm	≤ 2	≤ 5	≤10	≤ 20
Scale factor asymmetry	ppm	≤ 2	≤5	≤ 10	≤ 20
Start Time	s	≤ 1			
Bandwidth	Hz	> 100			
power supply	V	-5~+5			
power	W	≤ 18			
Operating temperature	℃	-40~+65			
storage temperature	℃	-45~+85			
Vibration	/	2g (RMS), 20Hz~2000Hz			
Shock		40g, 1 ms			
output method	/	RS-422			
Connector	/	J30J-15TJL			
Dimensions	mm	Φ120×39			



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

Figure 1 ER-FOG120H A, B, C, D fiber optic gyro dimensions