



HATRAN FIBRE OPTIC GYRO-COMPASS SINS-FOG-C001

- Fully solid, no rotatable parts
- Longer service life; No regular maintenance needed to replace the gyro ball regularly
- Rotation at any angle available
- Quick startup at dock (10 minutes)
- Smaller size , lower in weight and lower power consumption
- Civil purpose, high cost performance
- Support switching with the electric gyrocompass of the original ship



Maintenance free
Longer service life
No constant replacement

About SINS-FOG-C001 Fiber Optic Gyro-Compass

SINS-FOG-C001 Fiber Optic Gyro-Compass is a new generation of optical gyrocompass system based on a fiber optic gyro, which consists of: **a three-axis integration fiber optical gyroscope**, **a three-axis accelerometer** and **a resolution unit**, and independently measures the 6 DOF motion of a carrier.



TECHNICAL SPECIFICATIONS:

Navigation performance	
Heading accuracy	$\leq 0.75^\circ \text{ sec } \phi$
Pitch and roll accuracy	$\leq 0.3^\circ$
Speed accuracy	$\leq 0.1\text{m/s}$
Input information	GPS or Beidou
Settling time	$\leq 10\text{min}$ (docked at the dock)
	$\leq 20\text{min}$ (at sea) Stable speed and heading for 5 minutes (With GPS or Beidou) Stable speed and heading for 10 minutes (With DVL)

Interfaces	
RS422	3-way (extensible)
Physical Characteristics	
Weight	<6kg
Dimensions	170mm × 170mm × 160mm
Electrical Characteristics	
Power supply	DC 24V (20–32 V)
Power Consumption	$\leq 20\text{W}$

194 Pandan Loop, #06-05 Pantech Business Hub, Singapore 128383

T: 64777700 | F: 68721800 | W: www.jason.com.sg | E: sales@jason.com.sg

Branch Office Locations: China | Indonesia | Malaysia | Saudi Arabia | Spain | Thailand



www.hatraglobal.com