

HATRAN FIBRE OPTIC GYRO COMPASS

SINS-FOG-C001

PRECISION NAVIGATION
BUILT FOR TOMORROW



3 Years Standard
7 Years Optional Extended



MAINTENANCE FREE

No scheduled
maintenance or
gyroball
replacement



10-MINUTE STARTUP

Rapid startup
approximately 10
minutes at dock



SOLID-STATE DESIGN

No rotating parts
for maximum
reliability



LONGER SERVICE LIFE

Built for durability
and continuous
operation



INNOVATION
IN MOTION



TRUSTED
WORLDWIDE



ENGINEERED
FOR EXCELLENCE

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.



SOLID-STATE TECHNOLOGY
Fully solid-state design with no rotating parts.

MAINTENANCE FREE
No scheduled maintenance and no requirement for periodic gyroball replacement.

10 MINUTE STARTUP
Rapid startup time - approximately 10 minutes at dock.

EXCELLENT DYNAMIC PERFORMANCE
Capable of operation at any angle.

COMPACT & EFFICIENT
Compact size, reduced weight and lower power consumption.

EASY RETROFIT
Compatible with existing mechanical gyrocompass systems for straightforward replacement.

An information display and control device, an additional output and a power supply are optional.

TECHNICAL SPECIFICATIONS

NAVIGATION PERFORMANCE		ELECTRICAL CHARACTERISTICS		PHYSICAL CHARACTERISTICS & INTERFACES	
Settle point error	≤ 0.2° secφ	Power supply	DC 24V (20-32 V)	Weight	<6kg
Static error	≤ 0.2° secφ	Power Consumption	≤ 20W	Dimensions	170mm × 170mm × 160mm
Dynamic error	≤ 0.3° secφ			RS422	3-way (extensible)
Pitch and roll accuracy	≤ 0.1°				
Settling time	≤ 10 min (at dock)				



NAVIGATION REIMAGINED
Trusted Maritime Navigation
Powered by Hatran Fibre Optic Technology



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