MARINE COMPASS

MFG-I Marine Fiber-Optic Gyrocompass

ISO9001 Supplier

Class Certificate

Export Supply

Product Introduction: MFG-I marine fiber-optic gyrocompass contains the high-precision fiber-optic gyroscopes and quartz accelerometers, and can provide the heading angle and attitudes of the ship. Technical ...



Key Highlights

Category	Marine Compass
Standard	DIN
Weight / Size	Performance Heading accuracy 0.3° (RMS，1σ) Attitude accuracy 0.1° (RMS，1σ) ...
Certificate	CCS and DNV-GL certification

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Marine Compass	**Model / SKU**	MFG-I-Marine-Fiber-Optic-Gyrocompass
Standard	DIN	**Weight / Size**	Performance Heading accuracy 0.3°（RMS，1σ） Attitude accuracy 0.1°（RMS，1σ） Heave accuracy ≤5cmor 5%H （which is higher） Interfaces Output RS422/CAN(Configurable) Frequency ≤200Hz(Configurable) Protocol NEMA0183 Input Support integrated navigation with logs, Beidou ,GPS and GLONASS Mechanical Dimensions(Length×width×height) 280mm×203mm×187mm Weight ＜12kg Input voltage（DC）12～32V Typical power consumption ≤30W Start Start-up time ≤10s Setting time 20min(Start at dock);
Certificate	CCS and DNV-GL certification	**Warranty**	12 Months unless specified otherwise
Origin	China		

CONTENTS

- Product Introduction:
- Main performance:
- Technical features:

Product Introduction:

MFG-I marine fiber-optic gyrocompass contains the high-precision fiber-optic gyroscopes and quartz accelerometers, and can provide the heading angle and attitudes of the ship.

Technical features:

Autonomous north seeking within 20min;
Both dock start-up and navigation start-upare available;
Maintenance-freeand don’t need replace the gyros regularly;
Support integrated navigation with logs, Beidou ,GPS and GLONASS;
RS232/RS422/CAN interface are configurable;
Supporting 100% dual redundant configuration to meet IMO security return requirements；

Main performance:

Performance	Heading accuracy	0.3°（RMS，1σ）
	Attitude accuracy	0.1°（RMS，1σ）
	Heave accuracy	≤5cmor 5%H（which is higher）
Interfaces	Output	RS422/CAN(Configurable)
	Frequency	≤200Hz(Configurable)
	Protocol	NEMA0183
	Input	Support integrated navigation with logs, Beidou ,GPS and GLONASS
Mechanical	Dimensions(Length×width×height)	280mm×203mm×187mm
	Weight	< 12kg
	Input voltage	（DC）12 ~ 32V
	Typical power consumption	≤30W
Start	Start-up time	≤10s
	Setting time	20min(Start at dock); 40min(Start at sea)
Environmental	Operating temperature	-15℃ ~ +60℃