

MARINE COMPASS

MFG-I Marine Fiber-Optic Gyrocompass

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 ...

ISO9001 Supplier

Class Certificate

Export Supply



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:	■ Technical features:
	■ Main performance:	

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 , 1 σ)
	Attitude accuracy	0.1° (RMS , 1 σ)
	Heave accuracy	≤5cm or 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°C ~ +60°C