

# Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

## 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			
<b>Category</b>	Marine Compass	<b>Model / SKU</b>	MFG-I-Marine-Fiber-Optic-Gyrocompass
<b>Standard</b>	DIN	<b>Weight / Size</b>	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);
<b>Certificate</b>	CCS and DNV-GL certification	<b>Warranty</b>	12 Months unless specified otherwise
<b>Origin</b>	China		

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## 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-up are available;  
 Maintenance-free and 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 $\sigma$ )
	Attitude accuracy	0.1° ( RMS , 1 $\sigma$ )
	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