

## FG-500C Fiber Optic Gyro Compass System



### Overview

High reliability, low cost, fast alignment and free maintenance, FG-500C fiber optic gyro compass system is a solid, fully digital gyro compass perfectly designed for commercial ship. Based on strapdown navigation system, it could be installed directly on the vessels without complex frame structure. Short alignment time less than 15 mins, it significantly reduces the preparing time of vessel sailing. High dynamic accuracy gets the vessel a higher security, especially when sailing in high latitude areas.

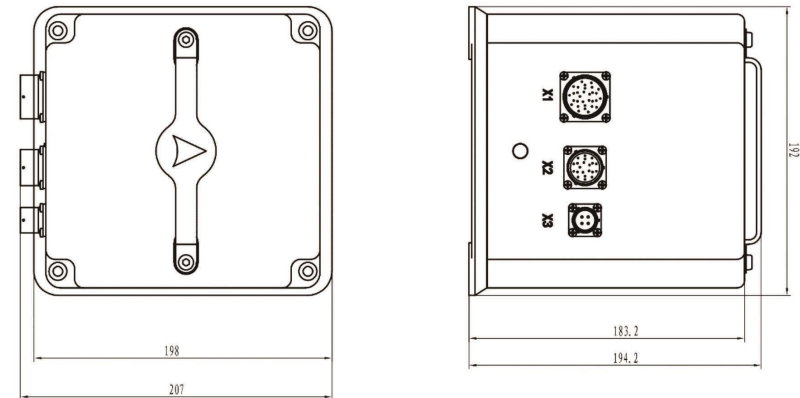
### Features

- Adopts miniaturized medium accuracy closed-loop fiber optic gyroscope as core components
- Fast dynamic response
- Wide dynamic measuring range
- High reliability, meeting the requirements of long-endurance applications
- Small size with compact design

### Application

Ships and boats, cargo vessel, fishing vessel, police vessel, cruise vessel, unmanned underwater vehicle, offshore platform, stationary vehicle, unmanned aerial vehicle etc.

### Structural Dimension



### Specifications

Settling Time		Static Align: 10min
		Dynamic Align: 15min
Accuracy	Roll & Pitch (1 $\sigma$ )	0.4°
	Heading(1 $\sigma$ )	0.2°
Dynamic Range	Angular Rate	$\pm 400^\circ/s$
	Acceleration	$\pm 12g$
Power Consumption	24VDC/20W	
Interface	RS-232/RS-422/CAN	
Dimension	Navigation unit: 207mm×194mm×192mm	
Weight	4.5kg(excluding receiving antenna)	