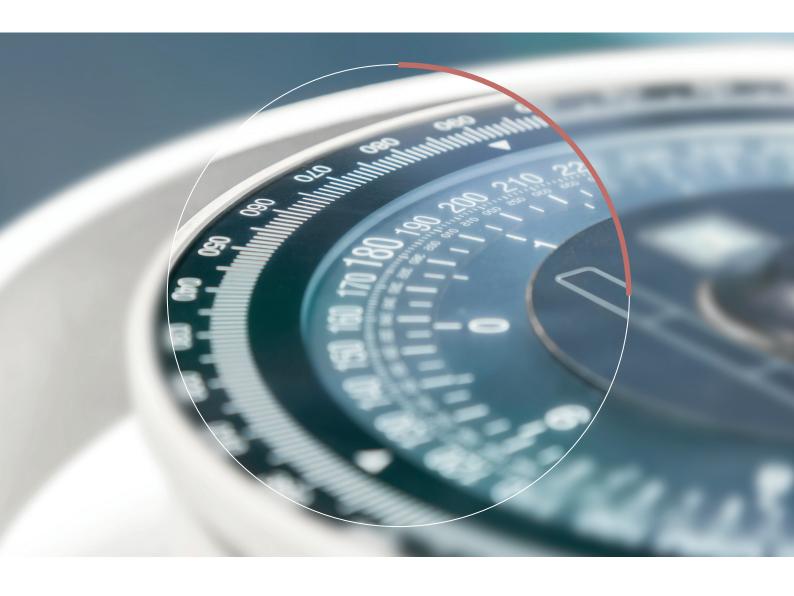# NAVIGAT 200

Networked Spinning Mass Gyro Compass

NAVIGAT 200 is a networked spinning mass gyro within a CompassNet configuration, and delivers the industry's highest levels of accuracy and reliability.

It's easy to install, either in a single or multi-system configuration with up to four gyro compasses and one magnetic compass for full redundancy. And easy to retrofit with third-party distribution systems.

It has the longest system life for a spinning mass gyro and requires minimal service support with the lowest gyrosphere maintenance interval in the market.

Sperrymarine
the navigation experts

sperrymarine.com

Optimal system to build multiple sensors setup

Stay compliant
- DNV type-approved to applicable MED, IMO and IEC standards
- RMRS/RRR and CCS type approval also available
- Global 24/365 service and support to ensure timely maintenance

Increase reliability
- Fully integrated into CompassNet for redundancy and maximum uptime
- Unique digital pick-up technology with low settling time for a reliable heading at the highest accuracy
- Well-proven technology with the longest system life
- Expertly maintained by certified Sperry Marine Service Engineers

Improve ease of use
- Simpler, safer management of all components through one common CDU as part of CompassNet
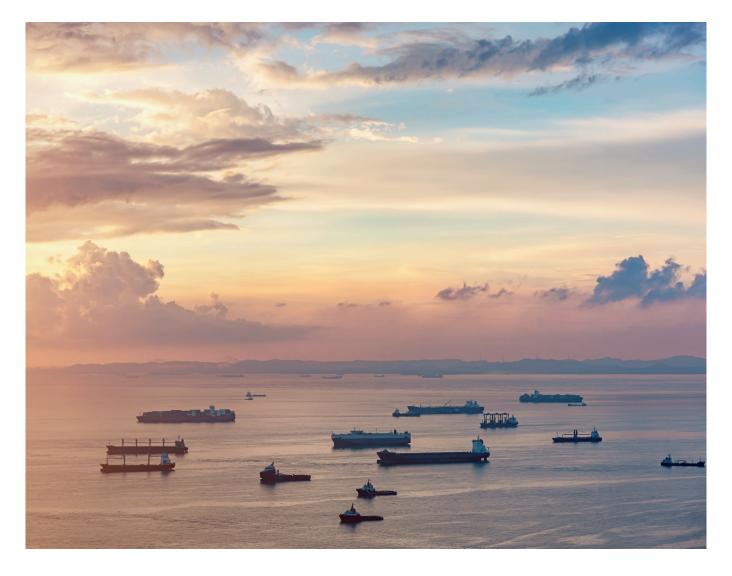
Reduce through-life costs
- Highly-competitive fixed-price option for system and installation by certified Sperry Marine Engineers
- Faster, easier installation with up to 80% less cabling than comparable systems
- Heading sensors for Differential Positioning can also be used for navigation purposes
- Low gyrosphere maintenance interval

Improve flexibility
- Part of CompassNet, which supports any mix of up to four gyro compasses, plus one magnetic compass
- No export restrictions for immediate availability

Extend system life
- Longest spinning mass gyro system life
- Refurbishment programme for gyrospheres

Specifications

Technical data

Heading	≤ 0.4 degrees secant latitude, (RMS)
Rate of turn	≤ 0.5 degrees/minute ±5%
Roll and pitch	100 degrees/sec
Settling time	< 3h

Inputs and outputs

Sensor outputs	Serial interface acc. IEC61162-1/2
	3x sensor data (e.g. for DP use)

Inputs and Outputs available via CompassNet Data Distribution Unit (DDU)	
Serial interfaces	11x Sensor data output, IEC61162-1/2
	8x Repeater port (serial data and power supply)
	1x NAV printer or sensor data
	8x Serial data input (e.g. GPS, speed log)
	1x Bi-directional INS compliant comm. IEC 61924-2
Analogue interfaces	1x ±10 V Rate-of-Turn output
	1x Fluxgate input, incl. Fluxgate power supply
Alert and status interfaces	1x Bi-directional serial alert communication acc. IEC62923-1/2
	11x Alarm output (dry contact)
	4x Status input: auto/man mode, heading +180° function, mute in
	7x Status output: BNWAS reset, GAS active, heading reference status, mute out

You may also be interested in:

CompassNet
Efficiently managing your redundant heading sensors on the bridge.

NAVIGAT 2500
Reducing the need for onboard maintenance.

NAVIGAT 3500
Adding highest heading accuracy and motion reference data to your bridge.

JUPITER & NAVIPOL
Adding primary compass back-up required for every vessel.

NAVIPILOT 4500N
Keeping your vessel more efficiently on course, reducing fuel consumption, emissions and workload on the bridge.

Global Service and Support

Sperry Marine provides service and support on a 24/365 basis at every major port worldwide, at anchor, offshore and at sea.
All Marine Service Engineers are all certified to ensure they install, maintain and repair our products to the industry's highest standards on a consistent global basis. Please see **www.sperrymarine.com/services** for full details of all our service locations.

Find out more

Please visit **www.sperrymarine.com/navigat-200** for more information.
If you would like a quotation, please email **sales@sperrymarine.com**

BR-58/EXP-SD-2022-336

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