

NAVIGAT 100

Standalone Spinning Mass Gyro Compass



NAVIGAT 100 is a standalone spinning mass gyro that delivers the industry's highest levels of accuracy and reliability, for safer, more efficient and sustainable sailing.

This low-cost, single unit is quick to install and retrofit, for easy integration with third-party distribution systems. And offers an upgrade path as requirements evolve.

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.

Includes all interfaces standing onboard in one single unit

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

- Unique digital pick-up technology with low settling time for a reliable heading at the highest accuracy
- Independent, heading sensor that can receive GPS input but also functions without it
- Well-proven technology with the longest system life
- Expertly maintained by certified Sperry Marine Service Engineers

Reduce through-life costs

- Low initial investment
- Highly-competitive fixed-price option for system and installation by certified Sperry Marine Engineers
- Single unit incorporating all interfaces for heading indication and distribution
- Easy to install with interfaces to third-party systems
- Low gyrosphere maintenance interval

Improve flexibility

- 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

Inputs	<p>Serial interfaces acc. IEC61162-1/2:</p> <ul style="list-style-type: none"> • Central alert management acc. IEC62923-1/2 • Speed log • GPS • Magnetic heading <p>Digital mute</p>
Outputs	<p>4x Repeater port (serial data and power supply)</p> <p>Serial interfaces acc. IEC61162-1/2:</p> <ul style="list-style-type: none"> • Central alert management acc. IEC62923-1/2 • 5x sensor data • 1x NAV printer or sensor data <p>6 step/1° output</p> <p>Coursebus output</p> <p>2x alarm relay output</p> <p>Mute relay output</p>



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.



NAVIGAT 200

Building redundancy for highest system availability.



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-100 for more information.
If you would like a quotation, please email sales@sperry.ngc.com.

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