

Sperry Marine

NORTHROP GRUMMAN

NAVIKNOT



Ultimate Speed Log Flexibility

We answer how fast you go. Accurate in extreme conditions with the Multi-sensor Speed Log Series

Providing a wide range of speed log systems, from Doppler and electromagnetic sensors to satellite technology, meeting all requirements.

The NAVIKNOT Multi-sensor Speed Log series comprises a uniquely flexible range of speed log systems, for use on many types of vessels, such as cruise ships, container ships, tankers, superyachts and a wide variety of other craft.

Northrop Grumman Sperry Marine has a long and successful history of providing high-accuracy speed logs, and is unique in using both Doppler and electromagnetic sensors, as well as satellite technology. This experience and capability guarantees you the performance you require, whether in

new-build or for upgrades or retrofits, complementing the existing technology in use.

[The NAVIKNOT series of speed log systems provides many benefits, including:](#)

- Low cost, easy installation and service
- Flexibility of choice and performance
- Wide range of functions
- Variety of configurations
- Full type-approval
- 24/7 worldwide support

Low cost. Easy installation and service

By offering systems using Doppler and electromagnetic sensors or satellite receivers, the NAVIKNOT series enables you to choose from a wide range of new-build or retrofit solutions to provide optimal functionality to suit your particular requirements.

The NAVIKNOT 600 series of speed logs all use GPS satellite-based technology, which provides the ultimate in accuracy and performance. Additionally, on the 600S, because no

Primary features of the NAVIKNOT Multi-sensor Speed Log series

NAVIKNOT Series	Satellite	Doppler	E/Magnetic	Single axis water speed	Dual axis water speed	Dual axis ground speed	Docking mode
350E			●	●			
450D		●		●			
600S	●					●	●
600SE	●		●	●		●	●
600SD	●	●		●		●	●
Retrofit solutions							
350EE			●	●			
450DD		●		●			
550DD		●			●	●	●
600SDD	●	●		●		●	●
600SDT	●	●		●		●	●

underwater transducers are required, this also ensures easy and low cost installation, as well as simple and economical servicing.

Flexibility of choice and performance

We have designed the NAVIKNOT series to provide effective progression from earlier products, to maximise your convenience while enabling you to adopt the latest speed log functionality, whether for new build or retrofit.

You can easily upgrade or retrofit existing systems. The NAVIKNOT 350E employs electromagnetic sensors while the NAVIKNOT 450D uses Doppler sensors. The NAVIKNOT 600 series all employ satellite sensors, with the NAVIKNOT 600SE also featuring an electromagnetic sensor, and the 600SD using a Doppler transducer, so allowing complete flexibility of choice.

Wide range of functions

With a range of systems in the series, you can choose whichever best meet your needs and provides the range of functions you require, whether for new build, replacement or retro-fit.

As shown in the table, the information available includes single-axis water speed, dual-axis ground speed and docking mode, as well as a range of other features.

The NAVIKNOT series also provides a variety of other functions, including:

- Speed accuracy $\pm 1\%$ or 0.1 knot, whichever is greater
- Large colour TFT display
- Day/night modes
- Varied selection of speed and distance interfaces
- Speed limit switch for rudder angle limitation
- Central alarm interface (Central Alarm Management system)
- Separate damping for display and outputs (0-99 seconds)
- Provision for master and remote control and display units
- Integrated take-over function remote-to-master
- Miles counter (total/daily)
- Mute function, mute out for watch alarm according to DNV
- Console- or bracket-mounted

Variety of configurations and accessories

We have designed the NAVIKNOT Speed Log series to provide a range of configurations and accessory options to suit your different needs.

These include:

- Selectable display colours
- Optional remote control and display units available in different sizes
- Universal Digital Repeater (speed limit switch for rudder angle limitation, changeable display)
- Analogue speed indicators
- Remote docking display (for 600 Series)

Type-Approved Performance

All the systems in the NAVIKNOT Speed Log series are type-approved by Germanischer Lloyd to MED 96/98/EC.

Total Support: 24/7/365

The NAVIKNOT Speed Log series, like all Northrop Grumman Sperry Marine systems and products, is supported by one of the world's most extensive worldwide service networks, with help available around the clock, 24 hours a day, 365 days a year. Our global service network provides prompt shipboard maintenance and repair services in every major seaport in the world.

We also offer comprehensive maintenance contracts, as well as support for all products for at least ten years after any is discontinued, so providing continuing peace of mind to all our customers.



NAVIKNOT CONTROL AND DISPLAY UNIT (CDU) IN A HOUSING WITH BRACKET ATTACHMENT



NAVIKNOT CONTROL AND DISPLAY UNIT (CDU)

Analogue Speed Repeaters

Console version

96 x 96 mm
-5 kn to +25 kn
-5 kn to +40 kn
-5 kn to +60 kn



Console version

192 x 192 mm
-5 kn to +25 kn



Console version

144 x 144 mm
-5 kn to +25 kn
-5 kn to +40 kn



Console version

144 x 144 mm
-5 kn to +25 kn
width: 158 mm
height: 155 mm
depth: 154 mm



Universal Digital Speed Repeater

Console version

96 x 96 mm
Depth: 140 mm

Also available in a watertight housing with a mounting bracket



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A division of the Northrop Grumman Corporation, Sperry Marine provides a range of sophisticated navigation solutions for mariners around the world: autopilot and steering control systems, compass systems, integrated bridge and platform management systems, speed/velocity logs, navigation radar and ECDIS. Working with mariners around the globe for over 100 years.

Specifications and features subject to change without notice.
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