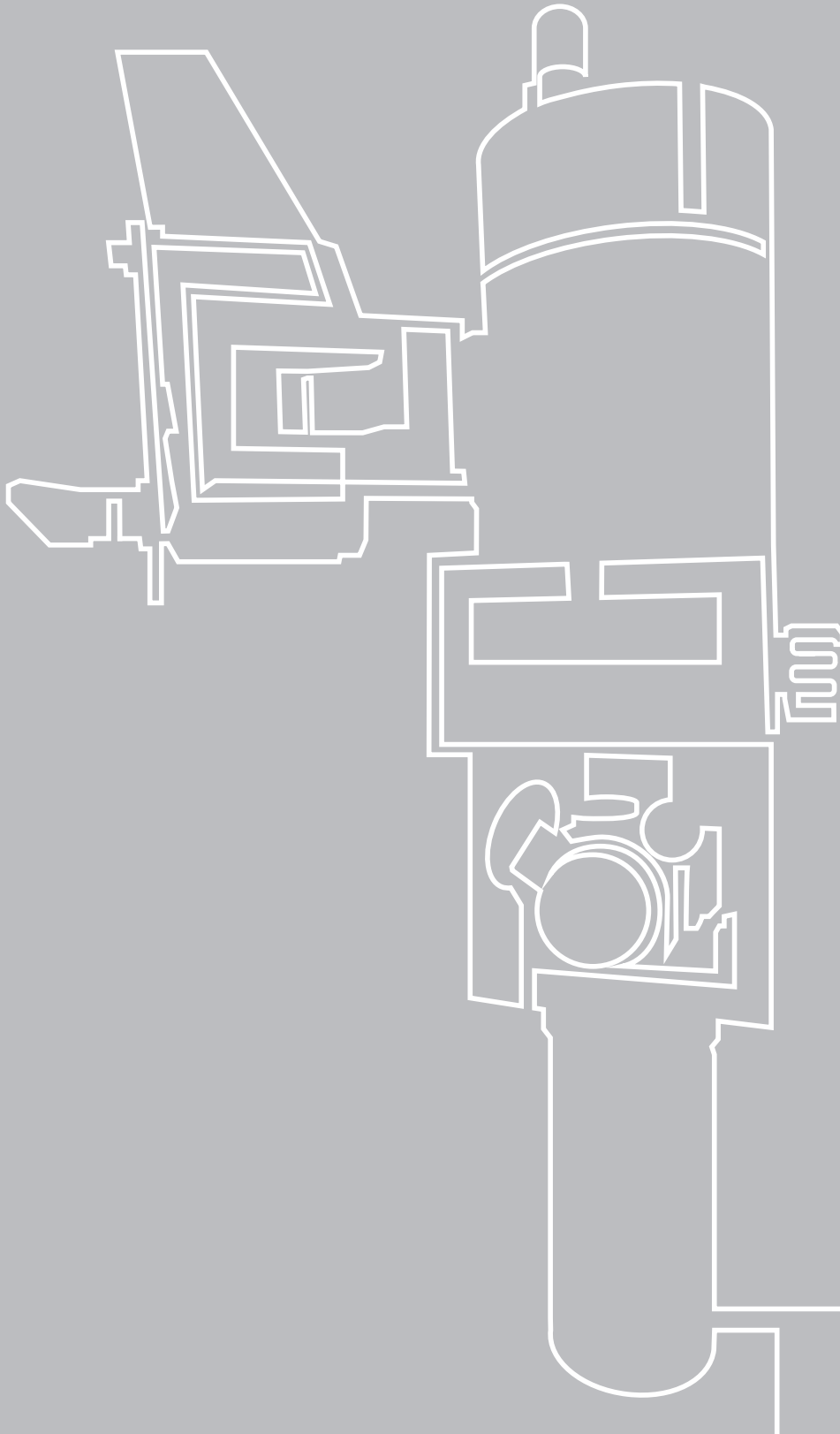


Optical Bearing Device

SR02-01

ScanRepeater™ NAVIGATION INSTRUMENTS



 SCANDINAVIAN
MICRO SYSTEMS

The essential positioning device for your vessel

At Scandinavian Micro Systems, we remain true to a simple philosophy: we contribute to your safety at sea by developing and installing high-quality, precision navigation instruments for your ship. And we've been doing it for over 30 years.

The Optical Bearing Device (OBD) is a perfect example of our commitment. It enables navigators to quickly double-check their ship's position by making fast and accurate optical observations and thus detecting possible GPS errors, interference or spoofing.

Connected to your ECDIS

Successfully trialed and installed on Norwegian Navy and Coast Guard ships, the OBD was originally designed for high speed navigation in narrow fjords without relying on the GPS. Our OBD is designed for rapid target acquisition to determine your precise location directly in your ECDIS charts.



Key functions

- Displays an Optical Bearing Line (OBL) directly in the ECDIS
- Takes Independent Optical Position Fixes by creating Lines of Position (LOP) to two or more targets directly in the ECDIS (P-Fix Mode)
- Takes Independent Optical Running Fixes to a fixed target. The OBD will instantly compute CPA, TCPA and Range to the fixed object. (R-Fix Mode)
- Identifies other ships by retrieving AIS information and displaying it in real time – directly in the Optical Bearing Device display.

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Telescopic Mounting Arm

Can be stowed and folded under deck when not in use. Quick pull down and adjust function.

OBD Display and Menu Control

High-resolution monochrome (OLED) display with Brilliance Control and Soft-Menu buttons.

Operator control

One-Hand Control unit is hinged to allow for ship pitching and to allow the operator use it as support in heavy seas.

Red-Dot Optics

Rapid target acquisition is made possible using professional, robust (MIL spec) "Red-Dot" optics.

One-Hand Control Grip & "Shoot Button"

Can turn the OBD 360 degrees to point at any target. It also moves approximately +/- 15 degrees in Pitch.



In accordance with IMO resolution MSC.232(82) for ECDIS
The Optical Bearing Device fulfills Section 11.4.7- Route Planning, Monitoring and voyage recording of the ECDIS Resolution.



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