RADIO ZEELAND DMP

NEXO LINE

THESE INSTRUMENTS ARE A TRUE REFLECTION OF PURE DUTCH CRAFTSMANSHIP

RADIO ZEELAND DMP

CUSTOM NAVIGATION SOLUTIONS FOR INLAND SHIPPING

CORE
5.7″ display

PREMIUM
7″ display

ULTIMATE
10″ display

RADIO ZEELAND DMP

Reliable Technology for Inland Navigation Since 1970

Radio Zeeland DMP, based in Terneuzen, has been a trusted name in inland navigation for decades. What began as a small shop in Hulst in 1952 evolved into a specialized repair center for maritime communication and navigation equipment. In 1970, Radio Zeeland began developing its own products, specifically tailored to the needs of the inland shipping sector.

Today, Radio Zeeland DMP offers complete, integrated solutions for inland ship captains seeking reliable, user-friendly, and high-quality equipment. Whether it's a single instrument or a fully outfitted bridge panel, we deliver customized solutions made in the Netherlands.

High-Performance Navigation Instruments with Unmatched Reliability

These are not standard off-the-shelf products—they are each examples of true Dutch craftsmanship.

Built from high-quality materials and meticulously assembled by hand by our skilled technicians.

No compromises—every instrument is designed and built with a focus on ergonomics and reliability.

NEXO – Navigation in Connection

NEXO stands for more than just navigation. Derived from the Latin word nexus – meaning "connection" – the name embodies the core of our vision: seamlessly connecting technology, navigation, and safety on the water.

The NEXO line represents an entirely new generation of navigation products that combines proven techniques with modern technology. Every component is certified and approved for use in inland shipping, making it a reliable choice for both new-build and retrofit projects.

NEXO offers flexibility and scalability—from a single, powerful standard system to a fully integrated network. This line builds on the expertise of successful predecessors like the Thor, Titan, Falcon, and Sigma series, and elevates it to the next level with greater connectivity, enhanced performance, and a future-ready design.

Each NEXO unit features a rugged housing, precisely milled from a solid block of marine-grade aluminum. This high-quality construction ensures uncompromising finish: sleek, solid, and elegant. The deep black front contrasts subtly with the brushed aluminum edges, creating a timeless, professional design suitable for any wheelhouse—from classic to ultramodern.

The NEXO line is available in three premium hybrid LCD displays, tailored to different user needs:

- **5.7″ CORE** – Compact, powerful, and ideal for space-saving installations
- **7″ PREMIUM** – The perfect balance between size and functionality
- **10″ ULTIMATE** – Maximum display area and control for the most demanding applications

NEXO is not just a product. It's a system that thinks along with you, connects, and anticipates—setting the new standard in maritime navigation.

NEXO 100

NEXO 120

NEXO 130

NEXO 300

NEXO 400

NEXO 500

NEXO 550

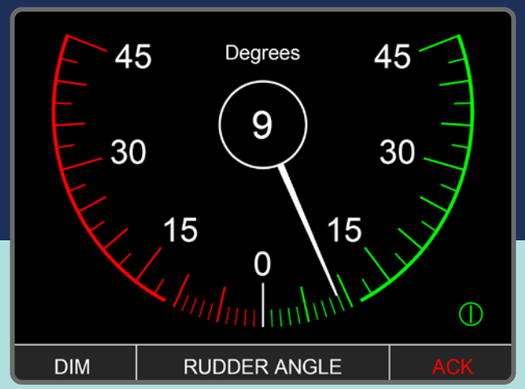
NEXO 750

NEXO 575

NEXO 675

NEXO 900

NEXO 950



NEXO 100 Rudder Angle Indicator

The NEXO-100 is an advanced rudder angle indicator set from Radio Zeeland DMP, specifically designed for inland navigation. This system provides continuous and highly accurate feedback of the current rudder position. The set can be used as a standalone unit or in combination with Radio Zeeland DMP autopilots for a fully integrated steering experience.

Versatile display options for any vessel

The NEXO-100 displays are available in three versions: the 5.7″ Core, 7″ Premium, and 10″ Ultimate. Each display allows both analog and digital readouts, depending on user preference. Thanks to their compact and robust design, the displays are suitable for any wheelhouse, from small to large.

Synchronization & dimming

Brightness settings of the main and secondary units can be perfectly synchronized, ensuring optimal visibility day and night.

Maintenance-free P-100 sensor

The system includes the P-100 rudder angle sensor, based on a magnetic measurement system. This technology eliminates mechanical wear and requires no maintenance. The sensor can be mounted on most conventional steering systems and is compatible with the P-612 chain wheel set for reliable coupling.

Simple configuration via display

The sensor communicates with the display unit via NMEA messages and can be fully configured through the screen interface. This means the sensor does not need to be opened for adjustments after installation.

Flexible display settings

The NEXO-100 supports multiple rudder angle ranges, including 45–0–45, 60–0–60, 75–0–75, and 90–0–90 degrees. For vessels with dual rudders, both angles can be displayed simultaneously on a single screen.

Expansion and connectivity

The P-100 also features an analog output (-10V to +10V) for connection to external systems. Multiple displays can be easily added to the setup, ensuring rudder information is visible from various locations on board.

P-100 Rudder Angle Transmitter

CORE
5.7″ display

PREMIUM
7″ display

ULTIMATE
10″ display

RADIO ZEELAND DMP

Display Unit

Housing:	Milled aluminum (6081)
Dimensions:	144 x 144 x 35 mm (5.7″ Core) 144 x 240 x 35 mm (7″ Premium) 192 x 288 x 35 mm (10″ Ultimate)
Protection:	Rear: IP-50, Front: IP54
Temperature Range:	-20 to +55° Celsius
Humidity:	0 to 90% (non-condensing)

Electrical Specifications

Power Supply:	18 – 36 VDC protected @1.1A auto reset
Power Consumption:	Less than 1 A

Optional Specifications

Scale:	45° - 0° - 45°, 60° - 0° - 60°, 75° - 0° - 75°, 90° - 0° - 90°
Dimming Range:	5 – 100%
Colors:	Day – Night
Layout:	Various layouts and color schemes*

Inputs/Outputs

NMEA0183 in/out
NMEA2000
+/-10 VDC

Other Features

Overvoltage protection
Reverse polarity protection

P-100 Sensor Specifications

Voltage:	18–36 VDC
Power Consumption:	Less than 1 A
Measurement Range:	360° mechanical and electrical

Declaration of Conformity

IEC-60945
IEC-61162

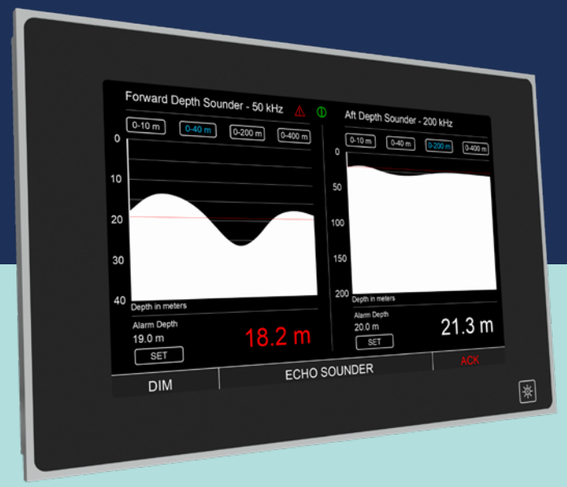
Scope of Delivery

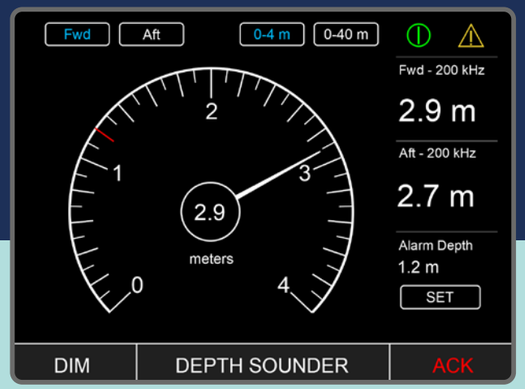
NEXO Display Unit
P-100 Rudder Angle Sensor
Mounting Set
Manuals (NL, DE, FR, GB)

Optional

P-612 Chain Wheel Set

** Depending on the selected display version: Core, Premium or Ultimate*





NEXO 120 Depth Sounder

Accurate depth measurement, even in shallow water

The NEXO-120 is an advanced echo sounder unit, specifically developed for inland navigation and optimized for shallow water measurements. With its high precision and reliability, this system is ideal for commercial vessels operating on rivers, canals, and in harbors.

Designed for shallow waters

Where traditional depth sounders fall short, the NEXO-120 delivers accurate readings down to 0.3 meters below the hull – even in the wake of other vessels. This allows the captain to maintain full awareness of the available depth at all times.

Adjustable depth ranges and alarm function

The depth sounder offers three selectable measuring ranges: 0–4 meters, 0–10 meters, and 0–40 meters. In the 0–4 meter range, a minimum depth alarm can be activated for added safety in shallow waters.

Dual transducer display

The NEXO-120 now supports dual transducer display within one system. This enables simultaneous or alternating monitoring of the depth at the bow and stern. Users can easily switch between the two transducers, depending on the situation or personal preference.

Clear and flexible display

On the display, users can select the depth scale, view a historical log of previous readings, and digitally read the current value. Data is shown either via an analog gauge or digital values, including an adjustable alarm threshold.

Advanced filtering

The NEXO-120 operates with a P-121 junction box and transducer. This combination ensures stable readings by actively filtering out interference caused by air bubbles, delivering maximum reliability under all conditions.

Synchronizable dimming function

The display unit features a built-in dimmer. When used with multiple displays, brightness settings can be synchronized, providing consistent visibility both during the day and at night.

Optional converter for reusing existing COAX cabling

For installations where the sensor is mounted at the bow, the optional P-318 converter box offers an ideal solution for reusing existing COAX cabling. It enables signal transmission to the wheelhouse without loss of measurement quality and without the need to install new cables.

P-121 Interface Box

P-122 Transducer

CORE
5.7″ display

PREMIUM
7″ display

ULTIMATE
10″ display

RADIO ZEELAND DMP

Display Unit

Housing:	Milled aluminum (6081)
Dimensions:	144 x 144 x 35 mm (5.7″ Core) 144 x 240 x 35 mm (7″ Premium) 192 x 288 x 35 mm (10″ Ultimate)
Protection:	Rear: IP-50, Front: IP54
Temperature Range:	-20 to +55° Celsius
Humidity:	0 to 90% (non-condensing)

Electrical Specifications

Power Supply:	18 – 36 VDC, protected @1.1A auto reset
Power Consumption:	Less than 1 A

General Specifications

Depth Ranges:	0–4 m, 0–10 m, or 0–40 m
Dimming Range:	5 – 100%
Color Modes:	Day – Night

Layout: Various layouts and color schemes*

Inputs/Outputs

NMEA0183 in/out
NMEA2000

Other Features

Overvoltage protection
Reverse polarity protection

P-121 Sensor Specifications

Voltage:	18–36 VDC
Power Consumption:	Less than 1 A
Measuring Range:	0.3 – 40 m
Frequency:	200 kHz

Declaration of Conformity

IEC-60945
IEC-61162

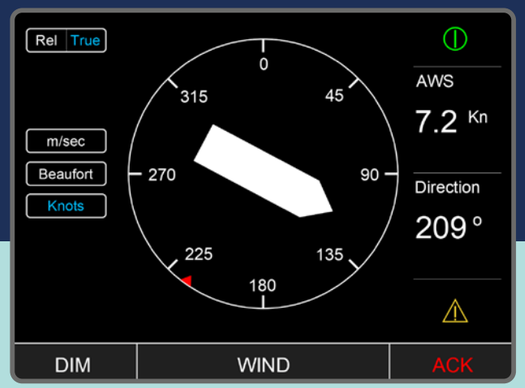
Scope of Delivery

NEXO Display Unit
P-121 Interface Box
P-122 Transducer with 5-meter cable
Mounting Set
Manuals (NL, DE, FR, GB)

Optional

Second sensor
P-121 Interface Box
P-122 Transducer with 5-meter cable
P-318 Converter Unit

** Depending on the selected display version: Core, Premium or Ultimate*



NEXO 130 Wind Station

Reliable wind information – digital and robust

The NEXO-130 is an advanced wind measurement system for inland and coastal navigation, providing accurate and clearly presented wind speed and direction data. Combining modern sensor technology with a user-friendly display, the NEXO-130 delivers dependable information under all weather conditions.

Flexible display options

The display unit is available in three versions: 5.7″ Core, 7″ Premium, and 10″ Ultimate. Depending on available space on board and user preference, the system can show either a digital or analog readout. Wind speed can be displayed in m/sec, knots, or Beaufort – fully configurable via the menu.

Combination of analog and digital

Current wind speed is shown using an analog gauge or digital values. The display also provides real-time wind direction. Thanks to the clear layout, the data remains easy to read even in low-light conditions.

True wind data with GPS integration

When connected to a GPS system, the NEXO-130 can also display true wind information, including actual wind speed and direction. This offers valuable insight during course or speed changes of the vessel.

Low-maintenance sensor

The P-131 wind sensor operates using ultrasonic transducers and contains no moving parts. This makes it highly resistant to wear and ideal for long-term use in maritime environments. Its robust construction ensures long service life and reliable performance.

Installation and cabling

The NEXO-130 comes standard with a 15-meter cable between the sensor and the display unit, providing ample flexibility for installing the sensor on a mast or wheelhouse.

P-131 Solid State wind sensor

CORE
5.7″ display

PREMIUM
7″ display

ULTIMATE
10″ display

RADIO ZEELAND DMP

Display Unit

Housing:	Milled aluminum (6081)
Dimensions:	144 x 144 x 35 mm (5.7″ Core) 144 x 240 x 35 mm (7″ Premium) 192 x 288 x 35 mm (10″ Ultimate)
Protection:	Rear: IP-50, Front: IP54
Temperature Range:	-20 to +55° Celsius
Humidity:	0 to 90% (non-condensing)

Electrical Specifications

Power Supply:	18 – 36 VDC, protected @1.1A auto reset
Power Consumption:	Less than 1 A

General Specifications

Speed Scale:	0 – 36 m/sec (also configurable in Beaufort and knots)
Direction Scale:	0 – 360 degrees
Dimming Range:	5 – 100%
Color Modes:	Day – Night
Layout:	Various layouts and color schemes*

Inputs/Outputs

NMEA0183 in/out
NMEA2000

Other Features

Overvoltage protection
Reverse polarity protection

P-131 Sensor Specifications

Voltage:	10–14 VDC
Power Consumption:	Less than 500 mA
Measurement:	-Relative wind direction and speed

Declaration of Conformity

IEC-60945
IEC-61162

Scope of Delivery

NEXO Display Unit
P-131 Wind Sensor incl. 15 m cable
Display Mounting Set
Sensor Mounting Set
Manuals (NL, DE, FR, GB)

** Depending on the selected display version: Core, Premium or Ultimate*

NEXO 300 Turn Rate Indicator

The NEXO-300 is a high-quality turn rate indicator set that displays, in real time, the direction and rate at which the vessel is changing course. This gives the captain immediate insight into the vessel's maneuvering behavior – essential in low visibility, congested waterways, or when following precise navigation routes.

Selectable measurement ranges

At the push of a button, the NEXO-300's range can be set to either 90 or 300 degrees, depending on the vessel type or user preference. This makes the instrument highly versatile for a wide range of inland navigation applications, including push towing.

Flexible display options

The LCD display unit is available in three versions: 5.7″ Core, 7″ Premium, and 10″ Ultimate. Both digital and analog views are available, tailored to the user's preferences. The clear layout and adjustable dimming function ensure excellent readability under all conditions.

Stable sensor technology

In standalone configuration, the NEXO-300 is supplied with the P-300 gyrotol sensor, an in-house development by Radio Zeeland DMP. This sensor is based on linear critical damping, which ensures stable and accurate readings at all times – regardless of conditions. The gyrotol is a unique Dutch product, known for its high reliability and long service life.

Autopilot integration and repeater function

The NEXO-300 can be seamlessly integrated with the NEXO 400 and 500 CombiPilot systems and the NEXO 550 autopilot from Radio Zeeland DMP. The display can also function as a repeater at multiple locations on board, making turn rate information accessible wherever needed.

P-300 Gyro Compass 300/90

CORE
5.7″ display

PREMIUM
7″ display

ULTIMATE
10″ display

RADIO ZEELAND DMP

Display Unit

Housing:	Milled aluminum (6081)
Dimensions:	144 x 144 x 35 mm (5.7″ Core) 144 x 240 x 35 mm (7″ Premium) 192 x 288 x 35 mm (10″ Ultimate)
Operating Temperature:	-20 to +55° Celsius
Sensor Temperature Range:	0 to 40° Celsius
Humidity:	0 to 90% (non-condensing)

Electrical Specifications

Power Supply:	18 – 36 VDC, protected @1.1A auto reset
Power Consumption:	Less than 1 A

General Specifications

Scale Options:	90° - 0° - 90°, 270° - 0° - 270°, or 300° - 0° - 300°
Dimming Range:	5 – 100%
Color Modes:	Day – Night
Layout:	Various layouts and color schemes*

Inputs/Outputs

NMEA0183 in/out
NMEA2000
20 mV per degree per minute
Alarm relay
External on/off control

Other Features

Overvoltage protection
Reverse polarity protection

P-300 Sensor Specifications

Voltage: 2	0–36 VDC
Power Consumption:	Less than 1 A (-2 A during startup)
Measurement:	90°/min or 300°/min
Accuracy:	0.1°/min at 90°/min, or 0.5°/min at 300°/min

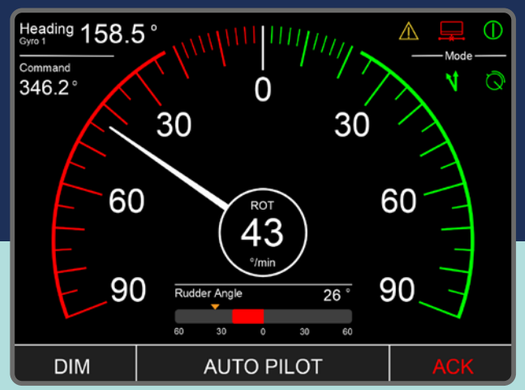
Declaration of Conformity

IEC-60945
IEC-61162

Scope of Delivery

NEXO Display Unit
P-300 GyroTol 90/300
Display mounting set
Manuals (NL, DE, FR, GB)

** Depending on the selected display version: Core, Premium or Ultimate*



NEXO 400 CombiPilot Compact

The NEXO-400 is the compact autopilot system from Radio Zeeland DMP, specifically designed for wheelhouses where space is limited. This combined solution integrates both a turn rate indicator and a rudder angle indicator into a single display unit, without compromising on precision or functionality.

Two functions in one housing

By combining turn rate and rudder angle information, the NEXO-400 saves valuable installation space at the helm. This makes the system particularly suitable for smaller wheelhouses or situations where efficient space usage is essential.

Compact and flexible display unit

This compact version comes with a single display, available in three formats: 5.7″ Core, 7″ Premium, and 10″ Ultimate. Depending on onboard preferences, users can choose between digital or analog display modes. The compact design makes the NEXO-400 especially well-suited for installations with limited space.

Compatible with the NEXO-675 control unit

The NEXO-400 integrates seamlessly with the NEXO-575 control unit. This compact tiller is designed to fit even in an armrest, allowing for flexible and ergonomic use without sacrificing usability or control.

Complete sensor set included

The system comes standard with a P-503 junction box, a P-300 GyroTol for accurate heading information, and a P-100 rudder angle sensor for stable and reliable rudder position feedback. Together, these components form a solid foundation for automatic steering.

User-friendly and space-saving

Thanks to its compact design and the integration of multiple functions into one unit, the NEXO-400 is exceptionally user-friendly. Its intuitive operation and straightforward installation make it a smart choice for any vessel.

P-100 Rudder Angle Transmitter

P-300 Gyro Compass 300/90

P-503 Autopilot Junction Box

CORE
5.7″ display

PREMIUM
7″ display

ULTIMATE
10″ display

RADIO ZEELAND DMP

Display Unit

Housing:	Milled aluminum (6081)
Dimensions:	144 x 144 x 35 mm (5.7″ Core) 144 x 240 x 35 mm (7″ Premium) 192 x 288 x 35 mm (10″ Ultimate)
Protection:	Rear: IP-50, Front: IP54
Temperature Range:	-20 to +55° Celsius
Humidity:	0 to 90% (non-condensing)

Electrical Specifications

Power Supply:	18 – 36 VDC, protected @1.1A auto reset
Power Consumption:	Less than 1 A

General Specifications

Rudder Angle Scale:	45° - 0° - 45°, 60° - 0° - 60°, 75° - 0° - 75°, or 90° - 0° - 90°
Turn Rate Scale:	90° - 0° - 90°, 270° - 0° - 270°, or 300° - 0° - 300°
Dimming Range:	5 – 100%
Color Modes:	Day – Night
Layout:	Various layouts and color schemes*

NEXO 575 Tiller Specifications

Housing:	Milled aluminum (6081)
Dimensions:	96 x 196 x 55 mm
Protection:	Rear: IP-50, Front: IP54
Temperature Range:	-20 to +55° Celsius
Humidity:	0 to 90% (non-condensing)
Display Size:	4″
Touch:	Yes, resistive
Resolution:	320 x 480 pixels

Inputs

NMEA0183
NMEA2000

Outputs

NMEA0183
NMEA2000
RAI Alarm
ROT Alarm
General Alarm
Watch Alarm

Steering Interface

Valves (Min) common +
Valves (Plus) common –
Danfoss System
Motor control +/- VDC

Other Features

Overvoltage protection
Reverse polarity protection

Declaration of Conformity

IEC-60945
IEC-61162

Scope of Delivery

NEXO Display Unit
NEXO 575 Steering Tiller
P-503 Autopilot Junction Box
P-100 Rudder Angle Sensor
P-300 GyroTol 90/300
Display Mounting Kit
Manuals (NL, DE, FR, GB)

Optional

P-612 Chain Wheel Set
NEXO 810 Satellite Compass
NEXO 820 Electronic Compass
10130590 Track Pilot License
19139591 Remote Seafar License

** Depending on the selected display version: Core, Premium or Ultimate*

NEXO 500 CombiPilot Dual

The NEXO-500 is the dual combi-pilot system from Radio Zeeland DMP, designed for operators who require maximum clarity and control at the helm. Unlike the compact NEXO-400, the NEXO-500 features two separate display units: one for the turn rate indicator and one for the rudder angle indicator. This means each function has its own dedicated display – ideal for vessels where visibility and rapid interpretation of data are critical.

Two functions, two displays

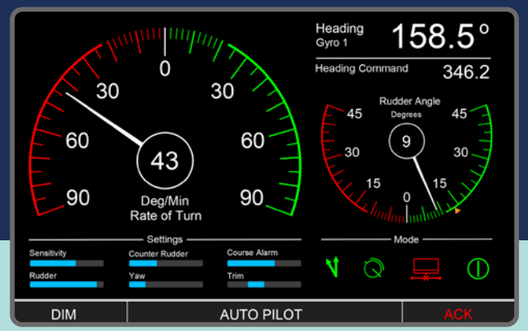
The NEXO-500 offers all the advantages of a combi-system, with the added benefit of separate displays. Each display is dedicated to a single function, ensuring immediate recognition and enhanced safety on board.

Choice of three display sizes per function

Both display units are available in three sizes: 5.7″ Core, 7″ Premium, and 10″ Ultimate. Each display allows for either digital or analog representation, depending on user preference and available space on board.

Seamless integration with NEXO-675 control unit

The NEXO-500 works in close cooperation with the NEXO-575 control unit. This compact tiller is specifically designed to be integrated into an armrest, making the system highly flexible and ergonomic without compromising usability or control.



Complete sensor package included

The NEXO-500 comes standard with a P-503 junction box, a P-300 GyroTol for stable heading data, and a P-100 rudder angle sensor for reliable rudder position readings. Together, these components provide the foundation for accurate and consistent autopilot control.

User-friendly and clear interface

With separate displays and a clean layout, the NEXO-500 is highly user-friendly. Installation is straightforward, and operation is intuitive – with no compromises in performance or functionality.

P-100 Rudder Angle Transmitter

P-300 Gyro Compass 300/90

P-503 Autopilot Junction Box

CORE
5.7″ display

PREMIUM
7″ display

ULTIMATE
10″ display

RADIO ZEELAND DMP

Display Unit

Housing:	Milled aluminum (6081)
Dimensions:	144 x 144 x 35 mm (5.7″ Core) 144 x 240 x 35 mm (7″ Premium) 192 x 288 x 35 mm (10″ Ultimate)
Protection:	Rear: IP-50, Front: IP54
Temperature Range:	-20 to +55° Celsius
Humidity:	0 to 90% (non-condensing)

Electrical Specifications

Power Supply:	18 – 36 VDC, protected @1.1A auto reset
Power Consumption:	Less than 1 A

General Specifications

Rudder Angle Scale:	45° - 0° - 45°, 60° - 0° - 60°, 75° - 0° - 75°, or 90° - 0° - 90°
Turn Rate Scale:	90° - 0° - 90°, 270° - 0° - 270°, or 300° - 0° - 300°
Dimming Range:	5 – 100%
Color Modes:	Day – Night
Layout:	Various layouts and color schemes*

NEXO 575 Tiller Specifications

Housing:	Milled aluminum (6081)
Dimensions:	96 x 196 x 55 mm
Protection:	Rear: IP-50, Front: IP54
Temperature Range:	-20 to +55° Celsius
Humidity:	0 to 90% (non-condensing)
Display Size:	4″
Touch:	Yes, resistive
Resolution:	320 x 480 pixels

Inputs

NMEA0183
NMEA2000

Outputs

NMEA0183
NMEA2000
RAI Alarm
ROT Alarm
General Alarm
Watch Alarm

Steering System Interface

Valves (Min) common +
Valves (Plus) common –
Danfoss system
Motor control +/- VDC

Other Features

Overvoltage protection
Reverse polarity protection

Declaration of Conformity

IEC-60945
IEC-61162

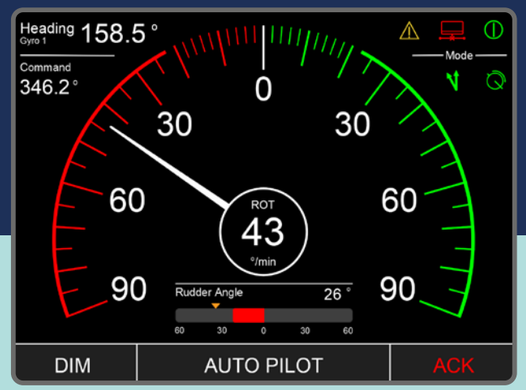
Scope of Delivery

2x NEXO Display Units
NEXO 575 Steering Tiller
P-503 Autopilot Junction Box
P-100 Rudder Angle Sensor
P-300 GyroTol 90/300
Display Mounting Set
Manuals (NL, DE, FR, GB)

Optional

P-612 Chain Wheel Set
NEXO 810 Satellite Compass
NEXO 820 Electronic Compass
10130590 Track Pilot License
19139591 Remote Seafar License

** Depending on the selected display version: Core, Premium or Ultimate*



NEXO 550 Autopilot

The NEXO-550 is the intelligent autopilot system from Radio Zeeland DMP, designed for both new installations and retrofit projects. Thanks to its ability to connect to an existing, certified turn rate indicator or one from the NEXO series, this autopilot is perfectly suited for upgrading or modernizing existing steering systems.

Rudder information clearly displayed

The NEXO-550 display unit includes a rudder angle indicator and is available in three formats: 5.7″ Core, 7″ Premium, and 10″ Ultimate. The display can be either digital or analog, depending on user preference and application. This ensures the operator always has a clear view of steering information.

Compact and ergonomic control

The NEXO-550 works seamlessly with the NEXO-575 control unit, which features a highly compact tiller. It is designed to fit into an armrest, making it ideal for steering chairs and compact wheelhouses. This allows for intuitive and space-saving operation.

Modular and expandable system

The NEXO-550 is fully modular in design. It can be expanded with additional control stations or repeaters, such as extra NEXO-550 or NEXO-650 units. This makes it especially suitable for vessels with multiple steering positions or specific control requirements.

Three steering modes available

Depending on the situation, the vessel can be controlled in three different ways: – as a turn rate pilot, – as a follow-up system, or – via an external steering system. This versatility makes the NEXO-550 applicable to a wide range of vessel types and steering configurations.

Reliable components included

The system is supplied as standard with a P-503 junction box and a P-100 rudder angle sensor. For a complete autopilot solution, it can be expanded with a NEXO-100 rudder angle indicator and a NEXO-300 turn rate indicator.

P-100 Rudder Angle Transmitter

P-503 Autopilot Junction Box

CORE
5.7″ display

PREMIUM
7″ display

ULTIMATE
10″ display

RADIO ZEELAND DMP

Display Unit

Housing:	Milled aluminum (6081)
Dimensions:	144 x 144 x 35 mm (5.7″ Core) 144 x 240 x 35 mm (7″ Premium) 192 x 288 x 35 mm (10″ Ultimate)
Protection: Rear:	IP-50, Front: IP54
Temperature Range:	-20 to +55° Celsius
Humidity:	0 to 90% (non-condensing)

Electrical Specifications

Power Supply:	18 – 36 VDC, protected @1.1A auto reset
Power Consumption:	Less than 1 A

General Specifications

Rudder Angle Scale:	45° - 0° - 45°, 60° - 0° - 60°, 75° - 0° - 75°, or 90° - 0° - 90°
Dimming Range:	5 – 100%
Color Modes:	Day – Night
Layout:	Various layouts and color schemes*

NEXO 575 Tiller Specifications

Housing:	Milled aluminum (6081)
Dimensions:	96 x 196 x 55 mm
Protection:	Rear: IP-50, Front: IP54
Temperature Range:	-20 to +55° Celsius
Humidity:	0 to 90% (non-condensing)
Display Size:	4″
Touch:	Yes, resistive
Resolution:	320 x 480 pixels

Inputs

NMEA0183
NMEA2000

Outputs

NMEA0183
NMEA2000
RAI Alarm
ROT Alarm
General Alarm
Watch Alarm

Steering System Interface

Valves (Min) common +
Valves (Plus) common –
Danfoss system
Motor control +/- VDC

Other Features

Overvoltage protection
Reverse polarity protection

Declaration of Conformity

IEC-60945
IEC-61162

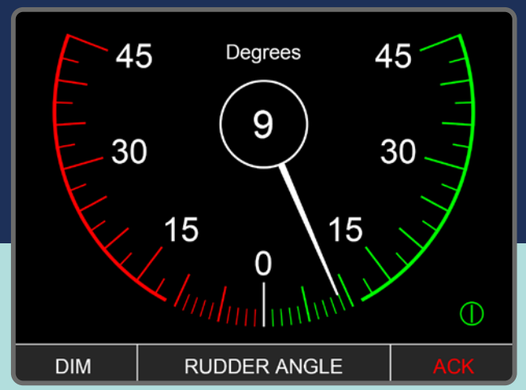
Scope of Delivery

NEXO Display Unit
NEXO 575 Steering Tiller
P-503 Autopilot Junction Box
P-100 Rudder Angle Sensor
Display Mounting Kit
Manuals (NL, DE, FR, GB)

Optional

10130590 Track Pilot License
P-612 Chain Wheel Set
P-300 GyroTol 90/300
NEXO 810 Satellite Compass
NEXO 820 Electronic Compass

** Depending on the selected display version: Core, Premium or Ultimate*



NEXO 675 Follow Up Steering

The NEXO-675 from Radio Zeeland DMP is a compact and highly user-friendly heading-dependent Follow Up steering unit, designed for optimal maneuverability—especially on smaller vessels or in wheelhouses with limited space. The system can be used as a standalone solution or in combination with other NEXO pilot systems.

Compact design, great ease of use

The tiller of the NEXO-675 is so compact that it can even be installed in the armrest of a helm seat. This makes the system not only space-saving but also ergonomic and easy to operate from a comfortable position.

Direct system control

The NEXO-675 allows nearly all functions of the autopilot system to be operated directly from the unit itself. This enables quick and intuitive switching between modes or adjustment of settings—without the need to return to the main display.

Complete set of components included

The NEXO-675 comes standard with a P-505 junction box and a P-100 rudder angle sensor, ensuring reliable and accurate rudder feedback. For proper connection to the steering system, the use of a P-612 chain wheel set is recommended.

For those who value both control and comfort

Whether for precise maneuvering in harbors or relaxed steering in open waters, the NEXO-675 offers maximum control in minimal space.

P-100 Rudder Angle Transmitter

P-505 Follow-Up Junction Box

RADIO ZEELAND DMP

Steering Tiller Specifications – NEXO 675

Housing:	Milled aluminum (6081)
Dimensions:	96 x 144 x 55 mm
Protection:	Rear: IP-50, Front: IP54
Operating Temperature:	-20 to +55° Celsius
Humidity:	0 to 90% (non-condensing)
Display Size:	2.8″
Touchscreen:	Yes, resistive
Resolution:	320 x 240 pixels

Electrical Specifications

Power Supply:	18 – 36 VDC, protected
Power Consumption:	Less than 1 A

General Specifications

Rudder Angle Scale:	45° - 0° - 45°, 60° - 0° - 60°, 75° - 0° - 75°, or 90° - 0° - 90°
Dimming Range:	5 – 100%
Color Modes:	Day – Night
Layout:	Various layouts and color schemes

Inputs
NMEA0183
NMEA2000

Outputs
NMEA0183
NMEA2000

Steering System Interface
Valves (Min) common +
Valves (Plus) common –
Danfoss system
Motor control +/- VDC

Other Features
Overvoltage protection
Reverse polarity protection

Declaration of Conformity
IEC-60945
IEC-61162

Scope of Delivery
NEXO 675 Steering Tiller
P-505 Autopilot Junction Box
P-100 Rudder Angle Sensor
Tiller Mounting Set
Manuals (NL, DE, FR, GB)

Optional
P-612 Chain Wheel Set

NEXO 750 IP Intercom

The NEXO-750 is a modern IP-based intercom system from Radio Zeeland DMP, designed to provide reliable and crystal-clear communication on board any type of vessel. The system operates on a fully IP-based network, making it easy to integrate and scalable to up to 250 substations.

Crystal-clear digital audio

Forget the crackling analog sound of outdated intercom systems. The NEXO-750 offers crystal-clear digital sound quality, ensuring fast, clear, and error-free communication – essential for safety, coordination, and efficiency on board.

Simple to use, powerful in functionality

With intuitive controls and a clear, functional design, the NEXO-750 focuses on simplicity and reliability. Whether in everyday use or during critical moments, it provides direct and clear communication between crew members.

Modular architecture

The NEXO-750 is fully modular and can be tailored to your specific needs. Speakers, cameras, call buttons, keypads, and touchscreens can be combined as desired. The system adapts and grows with your vessel's communication requirements.

Smart main station features

The main station supports semi-duplex communication, general paging, channel selection with priority settings, and a callback function. Multiple main stations can be installed—for example, on the bridge, in the engine room, or in accommodation areas.

Clear status display

An LCD display shows the active channel and connected stations. The screen brightness is adjustable, making it easy to read both day and night. The interface is deliberately kept simple for quick interpretation.

Support for accessories

The system can be expanded with convenient accessories such as a footswitch, gooseneck microphone for the main station, or call buttons at substations. This ensures communication remains possible even when not physically near the main unit.

P-704 Gooseneck Microphone

P-705 External Push Button

P-712 Engine Room Headset

P-751 External Speaker

P-754 Engine Room Substation

P-752 Internal Substation

RADIO ZEELAND DMP

Control Unit

Housing:	Milled aluminum (6081)
Dimensions:	240 x 144 x 70 mm
Protection:	Rear: IP-50, Front: IP54
Temperature Range:	-20 to +55° Celsius
Humidity:	0 to 90% (non-condensing)

Electrical Specifications

Power Supply:	18 – 36 VDC
Power Consumption:	Less than 2 A

General Specifications

Dimming Range:	5 – 100%
Color Modes:	Day – Night
Layout:	Various layouts and color schemes*
Number of Substations:	Up to 250

Acoustic Specifications

Digital VoIP
Adjustable speaking volume
Speaker volume control
Warning signal on each station
All Call functionality

Display Specifications

Display Size:	3″
Touchscreen:	Yes, resistive
Resolution:	320 x 480 pixels

Engine Room Station Specifications

Orange signal color
IP66 rated
Water- and dustproof microphone
Extra loud speaker volume (up to 118 dB @ 0.3 m)
Power supply: 22–60 VDC, 18–30 VAC, or 100–240 VAC

Inputs

Gooseneck microphone
Footswitch
Ethernet
VoIP (SIP)

Outputs

Ethernet
VoIP (SIP)
External control for signal light, etc. (engine room station)

Other Features

Overvoltage protection
Reverse polarity protection

Declaration of Conformity

IEC-60945

Scope of Delivery

NEXO 750 Control Unit
Mounting kit for control unit
All project-specific accessories*
Manuals (NL, DE, FR, GB)

Optional (basic options)

P-752 Substation (indoor), black or white
P-703 Handheld microphone
P-704 Gooseneck microphone
P-705 Outdoor push button
P-706 Indoor push button
P-708 Indoor push button with privacy option
P-707 Footswitch
P-751 External surface-mounted speaker
P-752 Internal built-in speaker
P-712 Engine room headset
P-754 Engine room station

** For the Ultimate line, we have fully integrated camera phones, doorbell cameras, and intercom stations into one advanced intercom system. Contact us for personalized advice on the available options.*

NEXO 900 Flex Display Solution

The flexible wheelhouse solution of the future

The NEXO-900 from Radio Zeeland DMP is the next-generation solution for modern wheelhouses in inland navigation. This innovative concept, based on large 43″ and 55″ display screens, brings clarity, functionality, and flexibility together in one powerful system. Designed to provide maximum control with minimal distraction, the NEXO-900 fully adapts to the needs of the user.

One screen or multiple – fully customizable

Depending on the setup and user preference, one or multiple screens can be installed at the helm. Each screen can be controlled individually or as part of a unified system, always delivering an optimal layout and display tailored to the vessel and navigation conditions.

All information visible on one (or multiple) screens

The NEXO-900 supports all Radio Zeeland DMP hardware, including the depth sounder, wind system, rudder angle indicator, turn rate indicator, and autopilot. These features can be displayed individually in full screen or combined in multiple windows on one or more screens. This gives the captain full situational awareness at all times—without compromise.

Modular and fully integrated

Thanks to its modular design, the NEXO-900 integrates seamlessly with existing systems and is equally suited for both newbuilds and retrofits. Installation is straightforward, and the system scales effortlessly with future expansions onboard.

Space-saving and user-friendly

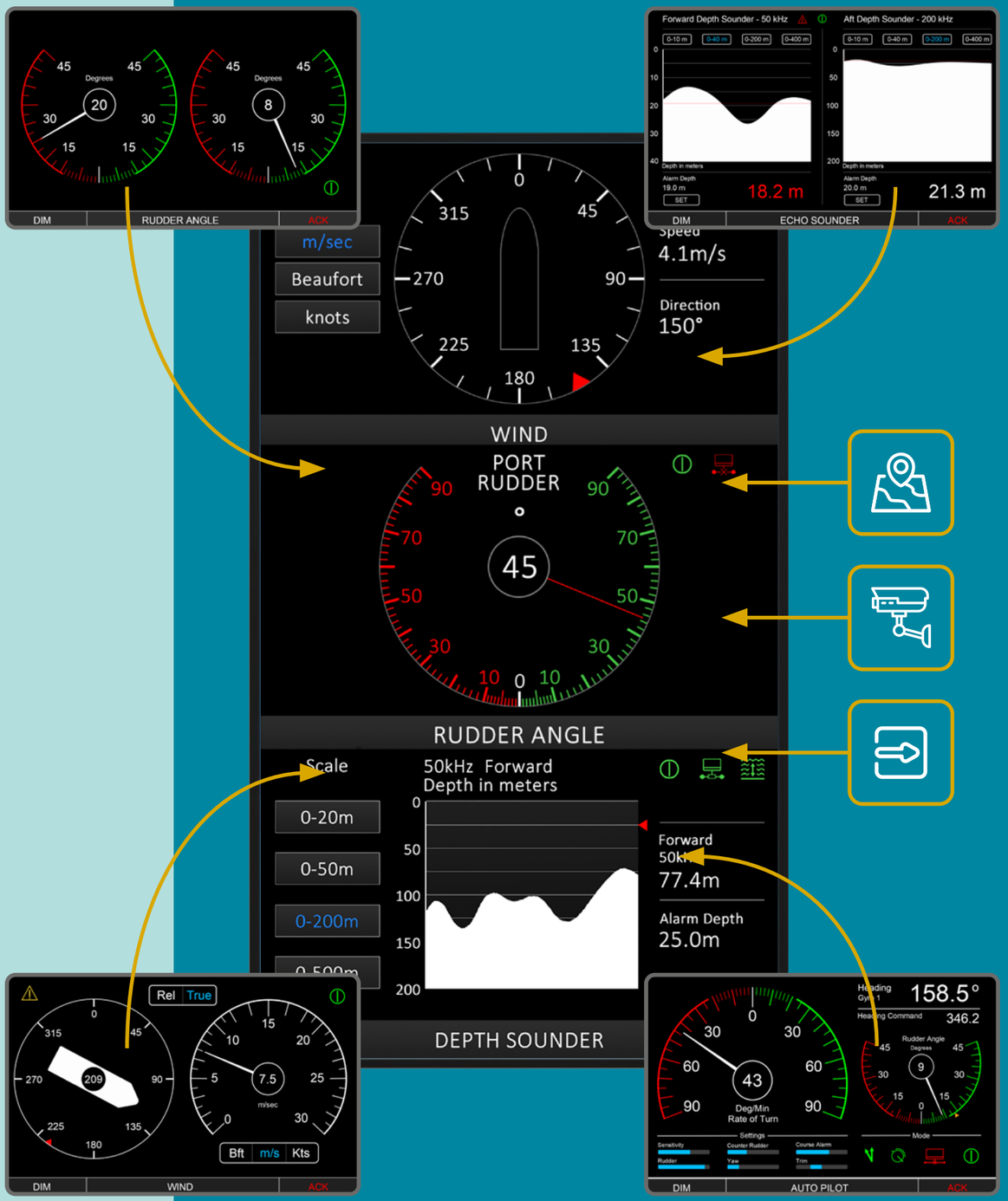
By replacing individual instruments with one or more integrated displays, the wheelhouse becomes cleaner and more modern. Fewer buttons, less distraction, more focus and safety for the captain.

Visually powerful, technically advanced

The razor-sharp image quality and intuitive information display make the NEXO-900 not only highly functional but also visually impressive—perfectly aligned with the modern requirements of today's vessels.

NEXO-900 – One solution. Total control.

Whether you install a single screen or create a complete panoramic overview with multiple displays, the NEXO-900 offers unmatched flexibility, visibility, and the proven quality of Radio Zeeland DMP.



NEXO 950 Conning

The NEXO-950 from Radio Zeeland DMP is a powerful and user-friendly software-based conning system, designed as a secondary readout alongside the traditional onboard hardware instruments. It offers one central visual overview of all essential navigation and vessel data, fully adaptable to the situation and user preferences.

Compatible with both existing and new displays

The NEXO-950 can be displayed on both existing and new monitors, in a variety of sizes and resolutions such as 19″, 22″, 24″, 27″, 43″, and 55″. This makes it suitable for virtually any wheelhouse configuration, whether for new builds or retrofit projects.

Flexible, user-defined layout

One of the major advantages of the NEXO-950 is its fully customizable screen layout. Information can be positioned and grouped on the screen according to function or sailing scenario. The user determines which data is visible where—tailored to the workflow on board.

Wide interface support

The NEXO-950 reads data from multiple sources and supports various maritime standards:

- NMEA 0183
- NMEA/Ethernet (IEC 61162-450), also known as the LWE interface
- Optional analog input via ±10V and 4–20 mA

Display of (depending on onboard sensors):

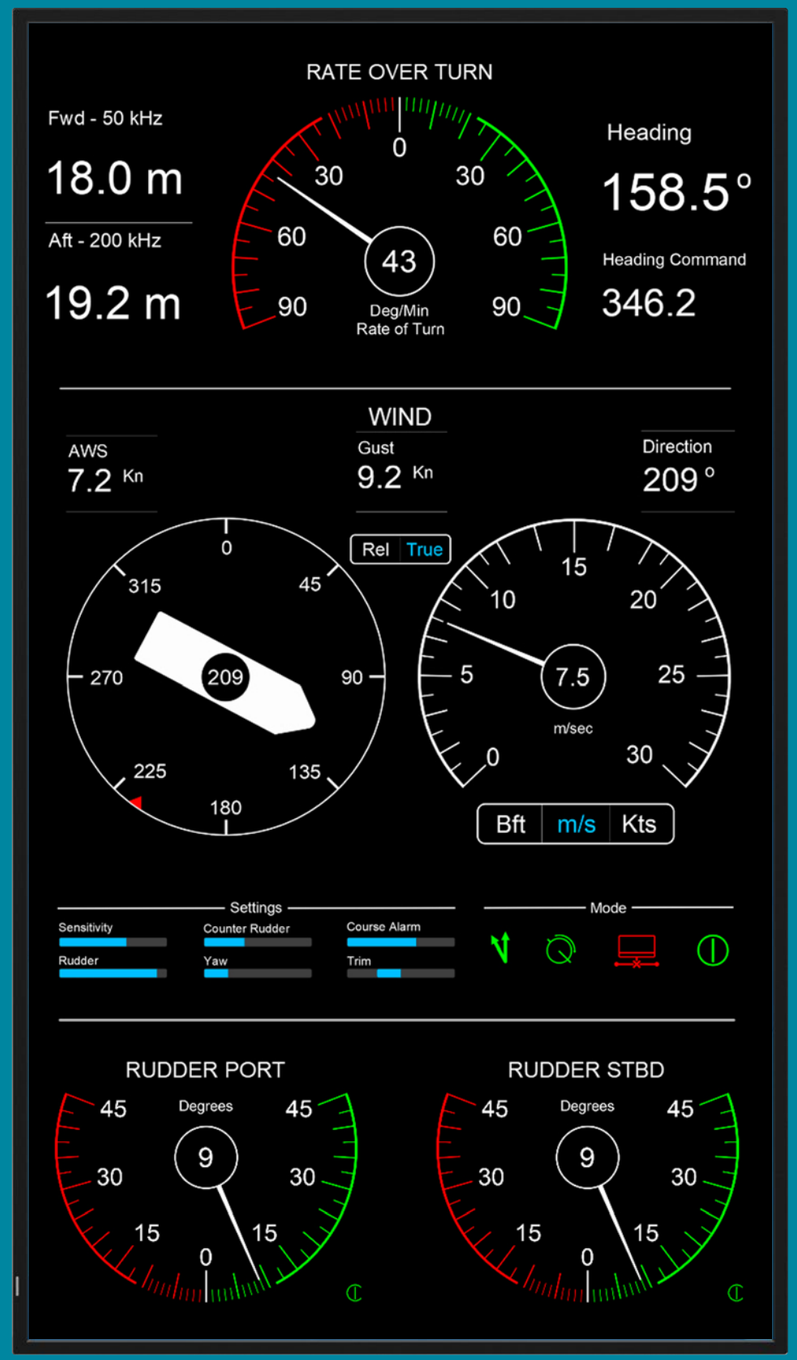
- Wind speed and direction
- Water depth
- GPS position, course, and speed
- Rate of Turn (ROT)
- Weather data, time, and date
- ECDIS and AIS information

Complete system, ready for installation

Delivery includes an industrial-grade computer, pre-installed software, power supply, and network switches—ready for direct integration into the onboard environment.

NEXO-950 – One glance, full overview

With the NEXO-950, you have a powerful, customizable, and future-proof digital conning solution—developed with a focus on practicality, safety, and ease of use.



NEXO PERIPHERALS

P-100
Rudder Angle Transmitter

P-121
Interface Box

P-122
Transducer

P-131
Solid-State Wind Sensor

P-318
Converter Box

P-300
Gyro Compass 300/90

P-612
Chain Set Rudder Angle Transmitter

P-503
Autopilot Junction Box

P-505
Follow-Up Junction Box

P-705
External Push Button

P-703
Handheld Microphone

P-712
Engine Room Headset

P-753
Internal Speaker

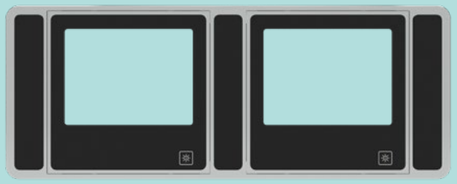
P-751
External Speaker

P-704
Gooseneck Microphone

RADIO ZEELAND DMP

P-752
Internal Substation

10150001 Adapter Frame Sigma/Titan/Thor
to NEXO (Single)



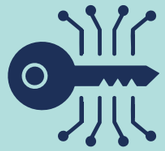
10150002 Adapter Frame Sigma/Titan/Thor
to NEXO (Dual)

P-754
Engine Room Substation

NEXO 575
Autopilot Lever

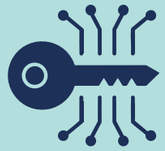
NEXO 675
Follow-Up Lever

P-760
One-Man Operation Unit



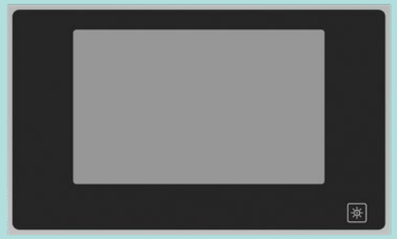
10130591
Remote Control Seafar License

P-707
Foot Switch



10130590
Track Pilot License

D-57
NEXO Display 5.7"



D-70
NEXO Display 7"

D-100
NEXO Display 10"

All information in this brochure is subject to change. Technical specifications and configurations may vary.

RADIO ZEELAND DMP

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