

FURUNO

NAVTEX

NAVTEX Receiver

Model: NX-900



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NAVTEX receiver
Model: NX-900

The Furuno NX-900 NAVTEX receiver automatically receives, displays, prints (via an optional printer) and sends data to navigation equipment such as ECDIS, the maritime safety information (MSI) composed of Navigational warning, Meteorological warning, and Search and Rescue (SAR) information, etc., broadcast from coastal stations in the MF and HF bands.

► **Full compliance with IMO Resolutions and IEC Testing Standards**

IMO Resolutions	IEC Testing Standards
A.694(17)	61097-6 Ed.2.0
MSC.36(63)	60945 Ed.3.0/Ed.4.0
MSC.97(73)	61162-1 Ed.5.0
MSC.148(77)	61162-450 E.2.0
MSC.302(87)	62923-1/-2 Ed.1.0
MSC.430(98)	62288 Ed.3.0
MSC.508(105)	

► **Improved capabilities thanks to additional interfaces.**

Now features 2 IN/OUT serial ports as well as a LAN port.

► **Highly demanded self-test function for maintenance and inspection.**

► **Prevention function for important messages**

If a SAR message (Search and Rescue information) is received:

Regardless of the alarm setting, it will sound an alarm and immediately display the content after receiving it.

► **Improved visibility and operability thanks to a complete redesign of the UI.**

The adoption of a 5.7-inch color LCD enhances visibility and operability with a wide viewing angle.

The casing design has also been completely revamped, so that it blends in harmoniously with other Furuno equipment.



Greater visibility and operability, safe navigation.

NAVTEX
NAVTEX Receiver

- A simpler, more user-friendly UI to ensure that all the important messages are clearly highlighted.

[Message list]

No.	MSG	Time/Date	Time/Date
020	DE01	00:18 JAN/01	01:01:57
019	P900	00:18 JAN/01	JAN/01/2022
018	J872	00:17 JAN/01	
017	JA63	00:16 JAN/01	
016	JA71	00:15 JAN/01	
015	JA79	00:15 JAN/01	
014	JA80	00:14 JAN/01	
013	JA92	00:13 JAN/01	
012	JA97	00:12 JAN/01	
011	JA99	00:12 JAN/01	
010	J263	00:11 JAN/01	
009	J871	00:11 JAN/01	
008	PA37	00:10 JAN/01	
007	PA36	00:10 JAN/01	
006	PA32	00:09 JAN/01	
005	EL72	00:08 JAN/01	

Time/Date: 01:01:57
JAN/01/2022
COG: 056.8°
STW: ---kn
Position: 12°34.371' N
123°45.371' E
Distance: ---NM

[Details of the message]

ID	Alert	Time/UTC
3122	SAR RX	00:00 JAN/01/2022
3123-2	MET RX	00:07 JAN/01/2022
3123-1	NAV RX	00:01 JAN/01/2022

Alert Detail:
Incoming SAR information. Check NAVTEX

Displays the content of the message selected in the message list.

[Alert list]

ID	Alert	Time/UTC
3122	SAR RX	00:00 JAN/01/2022
3123-2	MET RX	00:07 JAN/01/2022
3123-1	NAV RX	00:01 JAN/01/2022

Alert Detail:
Incoming SAR information. Check NAVTEX

In the alert list, you can display alerts in order of priority at the time of confirmation.

All received messages are displayed in a list.

The icons allow you to quickly and easily distinguish between read and unread messages and message categories.

Unread message icon

001	18640	05
002	1E122	05
001	1A321	05

Message type

[SAR]	(Search and Rescue Information)
[NAV]	(Navigation warning)
[MET]	(Met icon to give warning)

Selecting message category to display

- All Messages
- User Selected Messages
- Alert Messages (SAR/NAV/MET)
- Error rate 4% or less Messages

The date and time, location information, ship speed, and heading are displayed on the right side of the screen.

*Position information required

Optional Unit



Printer Model: PP-900

Due to the external printer, a printer can be equipped separately from the receiver. The equipment can be tailored to fit the bridge.



Junction Box Model: IF-900

Serial OUT: 2-3 port
It becomes easy to relay connect to shipboard wiring. It also has a power supply function for the printer.

SPECIFICATIONS

Product name	NAVTEX RECEIVER
Model	NX-900
Receiving Frequency	518 kHz, 490 kHz, 4209.5 kHz Receiving three frequencies simultaneously
Class of emission	F1B
Sensitivity	-107 dBm input, error rate: 4% or less
Screen type	5.7-inch color TFT LCD
Resolution	640 x 480 dots (VGA)
Language	English
Message capacity	500 characters with 200 messages x 3 channels
Alert category	Navigational warning, Meteorological warning Search and rescue information, Printer error

INTERFACE

Number of ports	
Serial	2 ports, IEC61162-1 Ed. 5, 4800 bps
LAN	1 port, Ethernet, 100base-TX Auto MDI/MDIX, IEC61162-4 Ed. 2
RS-232C	1 port for printer
Contact closure	1 port for alert

POWER SUPPLY

Power supply voltage	12-24 VDC
Current consumption	0.7-0.35 A (main unit only) 2.0-1.1 A (option, with junction box and printer)

ENVIRONMENTAL CONDITION

Ambient temperature	Main unit -20~+55°C Antenna unit -25~+55°C Junction box, printer -15~+55°C
Relative humidity	0-95% or less at +40°C
Degree of protection	Main unit, Junction box, printer IP20, Antenna unit IP56
Vibration	IEC60945 Ed.4

Printer (option)

Printing system	Direct line thermal
Printing paper	Thermal paper
Printing width	48 mm
Number of characters	32 characters/line

Junction box (option)

Number of ports	
Serial	IN 2 ports OUT 3 ports
Contact closure	1 port

EQUIPMENT LIST

Standard

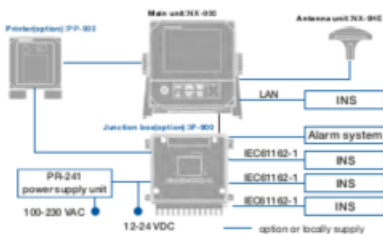
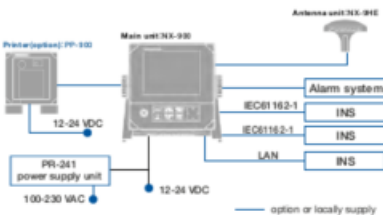
Main unit	NX-900	-----	x 1
Antenna unit	NX-9HE	-----	x 1

Installation materials, Accessories, Spare parts

Option

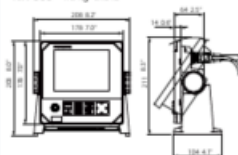
Junction box	IF-900
Printer	PP-900
Thermal paper	TP058-30CL
Flush mount panel	OP08-22
AC-DC power supply unit	PR-241
Mount mounting bracket	CP20-01111
Coaxial cable	
Cable assembly	

INTERCONNECTION DIAGRAM



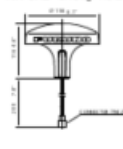
Main unit

NX-900 1.2 kg 2.6 lb



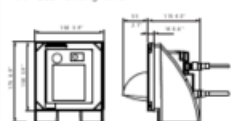
Antenna unit

NX-9HE 0.68 kg 1.0 lb



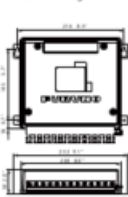
Printer (option)

PP-900 0.78 kg 1.7 lb



Junction box (option)

IF-900 0.84 kg 1.9 lb



Beware of similar products

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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