

CONTROL AND DISPLAY UNITS

PROGRAMMABLE MULTI-FUNCTION CONTROL AND DISPLAY UNITS



MNFD-70



NMFD-100



NMFD-43



NMFD-32

Control and display units are multi-purpose intelligent displays. The user can adjust the display information using the touch screen. The user can choose the colors of information, as well as configure the number and placement of information that will be displayed simultaneously. NMEA can display wind, speed, depth, engine data, autopilot status, and more on screens that can be divided into 1x, 2x, and 4x parts configured on request, transmitted by binary and special protocols.

Low Power Consumption

Wind, Speed, Depth, Engine Data, Autopilot Status, and Other Types of Data

Easy Installation

- Plug and Play
- NMEA, Binary and Custom Protocol Support
- Multiple Language Option



Touch screen

Customizable page structure

Adding / removing pages

Selection of data to be displayed on pages

Color selection of pages and data

Night mode selection

Visual and audible warning in case of data loss

Multiple language option

Definable communication rate (Baud Rate)

Display of all NMEA, Binary and Private information over a single data connection

Display with NMEA, Binary and custom protocols

Display pages can be customized by the user, the page can be added or removed, the data on the pages can be changed by the user, and the pages can be changed during use.

Screen brightness adjustment can be done manually or automatically.

CONTROL AND DISPLAY UNITS



TECHNICAL SPECIFICATIONS	NMFD-32	NMFD-43	NMFD-70	NMFD-100
Supply Voltage	18-36 VDC	18-36 VDC	18-36 VDC	18-36 VDC 115/220 VAC 50/60 Hz
Power Consumption	5W	18W	18W	25 W / 30 VA
Mounting Type	Console	Console	Console/Panel	Console/Panel
Screen	3.2" Resistive Touch	4.3" Resistive Touch	7" Resistive Touch	10.1" Resistive Touch
Screen Resolution	480 x 272	480 x 272	1200 x 800	1200 x 800
Size (Console) (WxHxL)	100 x 50 x 75	142 x 102 x 41	142 x 102 x 40	253,4 x 275,45 x 73
Size (Panel) (WxHxL)			215 x 150 x 46	222 x 195 x 54,5
Weight	0.6 kg	1 kg	2 kg ±0,2	2 kg ±0,2
Operating Temperature	-20°C ~ +50°C			
Range Operating Humidity	%95			
Range IP Class	IP64			

COMPATIBILITY

Environmental	MIL-STD-810G
Conditions Ergonomics	MIL-HDBK-1472
EMI/EMC	MIL-STD-461
Vibration	DOD-STD-167-1
Mechanical Shock	MIL-S-901D
Boxing	MIL-STD-108
Power Supply	MIL-STD-1399 (STANAG 1008)

COMMUNICATION

Protocol	NMEA0183, Binary and Special
Interface	RS422/485 Ethernet (only NMFD-100) CANBUS (only NMFD-100) LAN (only NMFD-100) USB 3.0 (only NMFD-100)
Communication Port	RS422/485, 16Mbaud max. Electrical insulated