

CONTROL AND DISPLAY UNITS

PROGRAMMABLE MULTI-FUNCTION CONTROL AND DISPLAY UNITS

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

HEADING	SPEED	kts	
139.2	12.3		
DEPTH	TIME	utc	
234.7	21:32:10		



MNFD-70



NMFD-100



NMFD-43



NMFD-32

- 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.

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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 Conditions	MIL-STD-810G			
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			