



NAVIGATION DISPLAYS / MULTIFUNCTION DISPLAYS

MD71MFD DIGITAL MULTI-FUNCTION DISPLAY

SKU: F071001

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OVERVIEW

The MD71MFD is a compact multi-function Digital Display with a 2.7" OLED Graphic Display and NMEA 0183 (IEC61162-1) input. It is designed to accept data from a variety of sources and display navigational and related ship information in numeric and graphical format. Firmware variants are available to cater for specific information groups, with each variant capable of displaying information from many related sources. Each firmware variant is configurable to customise the display options available to the user.

The MD71MFD has a 2.7" yellow OLED screen which can display alpha-numeric data in 6 font sizes with digits from 3.5 to 20 mm high and display graphic detail.

The MD71MFD from Marine Data: flexible in application, easy to install and simple to maintain.

APPLICATIONS

- Displays a wide variety of ship related information. The standard unit includes: Heading (True or Magnetic), Rate of Turn, Pitch & Roll, Heading and Pitch & Roll (combined), Position (Lat/Long).
- Alternate, non-standard custom configurations include: Rudder Angle, Propeller rpm, Water Speed, Water Depth, Speed over Ground (SOG), Course over Ground (COG), Wind Speed, Wind Direction, Air Temperature, Water Temperature, Barometric Pressure – and others. Contact us for details.

ACCESSORIES

- MD71TB - Trunion Mounting Bracket
- MD01PMD - Remote Rotary Dimmer

RELATED PRODUCTS

- Transmitting Heading Device (THD) System ([TMC](#) and [EMC](#))



FEATURES

- **Displays a wide range of ship-related data, including Heading, Pitch & Roll and other optional configurations**
- **Alternate, non-standard, configurations (on request)**
- **Firmware customisable and upgradeable (on request)**
- **Rugged and compact design**
- **Bright, sharp OLED display - easy to observe**
- **Accepts NMEA 0183 data sentences and others**

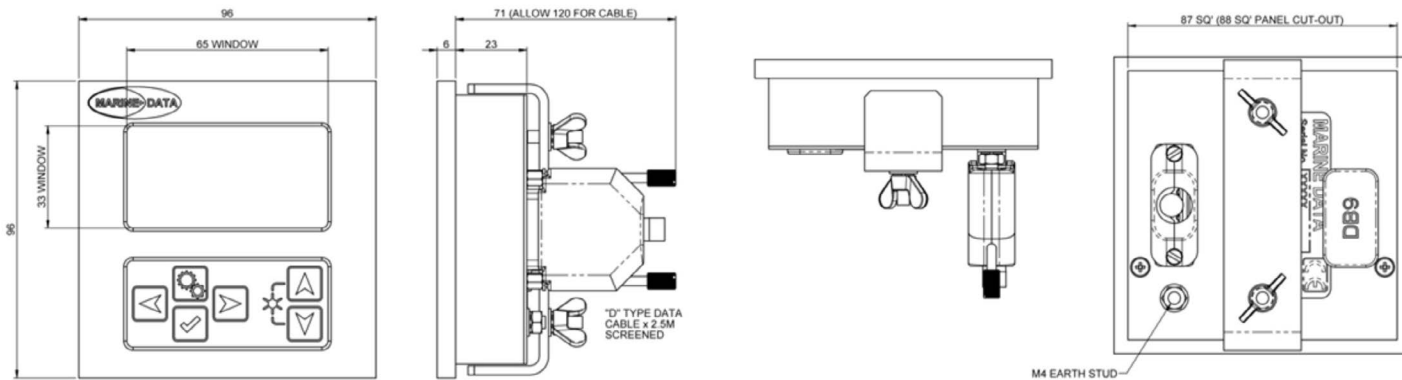


PHYSICAL	
Weight:	0.4 kg
Dimensions:	H 96 mm; W 96 mm; D 35 mm; Allow 80 mm at rear for cable; Fascia 96 x 96 x 6 mm deep
Mounting:	Panel mount (standard) Surface mount (option)
Connections:	1x 15-way D-type connector; M4 Earth stud
Construction:	Aluminium alloy enclosure
Finish:	Jet Black (RAL9005) Fine-texture Powder Coat

ELECTRICAL	
Power Supply:	12-24 V dc; 2.5 W max (0.1 A; 24 V dc) Low Power indication trigger: 9.0 V Low Power indication cancel: 11.5 V
Data input:	Digital RS422; NMEA 0183 (IEC 61162-1) compliant; 4800 / 9600 / 19200 / 38400 Baud; Auto selecting
Data sentences:	THS, HDT, HDG and HDM; detected on start-up in descending order of priority
Data Output:	Visual OLED Display and Status Indicator Data: RS422 (IEC 61162-1) NMEA 0183
Remote Dim:	Optional; 0-24 V dc (with respect to supply negative)
Cable:	Supplied with 2.5 m multicore data cable

OPERATIONAL	
Performance:	Dependant on received data
Display:	2.7", 128 x 64 Pixels OLED – Yellow
Error Indication:	Fixed message displayed on-screen
MTBF:	30,000 hours

All dimensions in mm



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ENVIRONMENTAL	
IEC 60945 Equipment Category:	Protected Area
Operating temp:	-15°C to +55°C
Magnetic	Magnetic Permeability: Category 'A'
RoHS:	Compliant
Compass Safe Distance:	Standard: 20cm Steering: 20cm

APPROVALS	
Conforms with:	BS EN 60945:2002 (BSI, 2008) BS EN 61162-1:2016 (BSI, 2016) BS EN 62288:2014 (BSI, 2016) BS ISO 8728:2014 (BSI, 2014) BS ISO 16328:2014 (BSI, 2014) IMO Res. A.424(XI) (IMO, 1979) IMO Res. A.821(19) (IMO, 1995) IMO Res. MSC.36(63) (IMO, 1994) IMO Res. MSC.97(73) (IMO, 2000) IMO Res. MSC191(79) (IMO, 2004)
Type Approval:	DNV

ADDITIONAL	
Option:	Alternate, non-standard configurations: Rudder Angle, Propeller rpm, Water Speed, Water Depth, Speed over Ground (SOG), Course over Ground (COG), Wind Speed, Wind Direction, Air Temperature, Water Temperature, Barometric Pressure and others. Contact us for your exact requirements for prior factory configuration.
Option:	Front panel weatherproof sealing