



## FEATURES

- Displays a wide range of ship-related data, including Heading, Pitch & Roll and many others
- Factory configured to your exact requirements
- Firmware customisable and upgradeable
- Rugged and compact design
- Bright, sharp OLED display - easy to observe
- Accepts NMEA 0183 data sentences and others



## 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 alphanumeric 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, can include: Heading (True or Magnetic), Rate of Turn, Pitch, Roll, Rudder Angle, Propeller rpm, Water Speed, Water Depth, Speed over Ground (SOG), Course over Ground (COG), Position (Lat / Long), Wind Speed, Wind Direction, Air Temperature, Water Temperature, Barometric Pressure – and others. Contact us for details.

## ACCESSORIES

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

## RELATED PRODUCTS

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

## PHYSICAL

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

## ELECTRICAL

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

## OPERATIONAL

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

## ENVIRONMENTAL

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

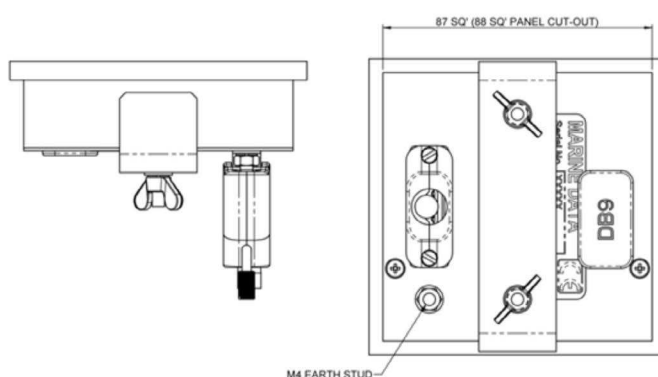
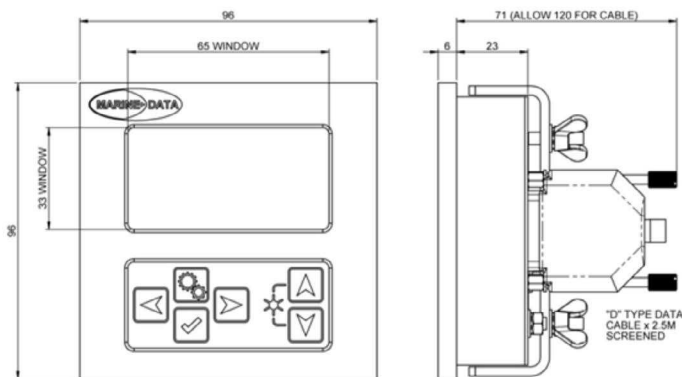
## APPROVALS

<b>Conforms with:</b>	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)
<b>Type Approval:</b>	DNV

## ADDITIONAL

<b>Option:</b>	Custom Functionality; contact us for your exact requirements
<b>Option:</b>	Front panel weatherproof sealing

All dimensions in mm



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