



RUDDER INSTRUMENTATION / RUDDER ANGLE INDICATORS

MD74RDI DIGITAL RUDDER ANGLE INDICATOR

SKU: MNE-0066

FEATURES

- **Large Format LCD Digital Display to 0.1°**
- **Bar LED to indicate Port and Starboard manoeuvres**
- **NMEA 0183 Digital Input**
- **Local and Remote Dimming Control Compatible**
- **Panel Mounted or optional Bulkhead Mount**
- **Wheelmark Approved when installed as part of a Marine Data Rudder Angle Indication System**

OVERVIEW

The MD74RDI is a four digit digital Rudder Angle Indicator which accepts NMEA 0183 input, and is accurate to a resolution 0.1°. It features a bar LED indicator to show Port or Starboard manoeuvres, along with 3 touch membrane buttons for setup.

The Rudder Angle Indicator can be panel mounted (kit included) or bulkhead mounted with an optional adjustable Trunnion Bracket. Internal components are housed within a robust aluminium enclosure. Finished in Jet Black (RAL9005) Fine-texture Powder Coat to complement existing marine equipment.

Compact and rugged, the MD74RDI offers a Rudder Angle Indicator solution for locations where available space is limited and allows digital Rudder Angle data to be conveniently displayed at any location on a vessel.

The MD74RDI Rudder Angle Indicator from Marine Data: flexible in application, easy to install and simple to maintain.

APPLICATIONS

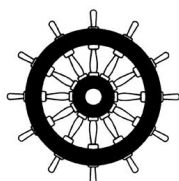
- Displays Rudder Sensor Angle Data transmitted from NMEA 0183 (IEC 61162-1) compatible equipment

ACCESSORIES

- MD74TB - Bulkhead Mounting Kit
- MD74DIM - Remote Dimming Control

RELATED PRODUCTS

- [MD74RDI/W](#) - Weatherproof Rudder Angle Indicator
- [MD61](#) - Rudder Angle Sensor Transmitter



Wheelmark 0098

PHYSICAL

Weight:	1.0 kg
Dimensions:	H 137 mm; W 250 mm; D 57 mm Fascia: 192 x 97 x 6 mm
Mounting:	Panel mount or Bulkhead mount (accessory)
Connections:	2.5 m D-type data cable; M4 earth stud
Construction:	Aluminium alloy enclosure
Finish:	Jet Black (RAL9005) Fine-texture Powder Coat

ELECTRICAL

Power Supply:	24 V dc (18-32 V) 10 W max
Data input:	Digital RS422 NMEA 0183; 4800 / 9600 / 19200 / 38400 Baud, auto-selecting
Data sentences:	RSA (\$-RSA,x.x,A,x.x,A*hh<CR><LF>)
Dimming:	0-24 V dc (with respect to supply negative)

OPERATIONAL

Performance:	± 0.1° accuracy
Display:	Digital Display to 0.1°, Port and Starboard indication
Loss of Valid Data:	Display shows '0'. Illumination turned off

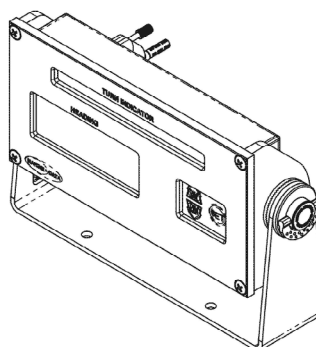
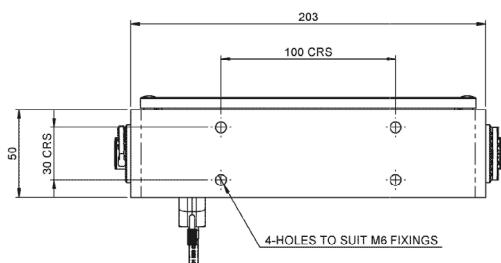
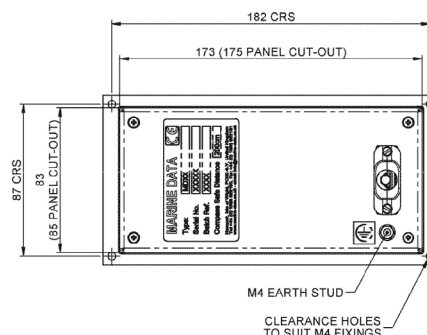
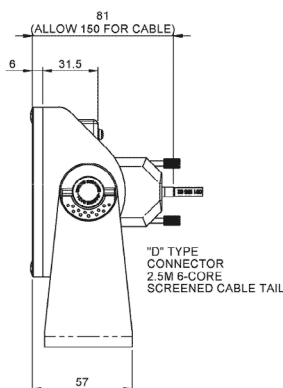
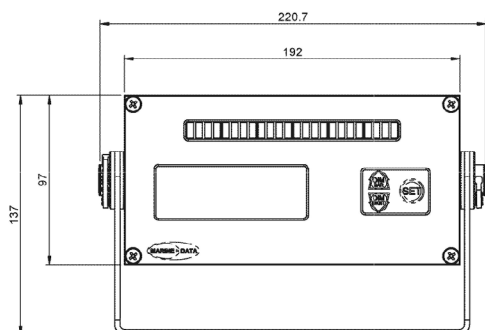
ENVIRONMENTAL

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

APPROVALS

BS EN 60945:2002 Inc. corrigendum April 2008 (BSI, 2008), BS EN 61162-1:2016 (BSI, 2016)
BS EN 62288:2014 (BSI, 2016)
Conforms with: ISO 20673:2007, IMO Resolution A.694(17)
IMO Res. MSC.36(63) (IMO, 1994)
IMO Res. MSC.97(73) (IMO, 2000)
IMO Res. MSC191(79) (IMO, 2004)

Type Approval: DNV Wheelmark (0098) when installed as part of the Marine Data Rudder Angle Indicator System



All dimensions in mm



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