



FEATURES

- **Large Format LCD Digital Display to 0.1°**
- **Visual LED Bar indicator which shows Rudder Angle**
- **NMEA 0183 Digital Input**
- **Local and Remote Dimming Control Compatible**
- **Panel Mounted or optional Bulkhead Mount**
- **Fully sealed to IEC 60945 Exposed Area Classification**
- **Wheelmark Approved when installed as part of a Marine Data Rudder Angle Indication System**

RUDDER INSTRUMENTATION / RUDDER ANGLE INDICATORS

MD74RDI/W WEATHERPROOF DIGITAL RUDDER ANGLE INDICATOR

SKU: F074029

[View Online >](#)

OVERVIEW

The MD74RDI/W is a weatherproof four digit digital Rudder Angle Indicator which accepts NMEA 0183 input, and is accurate to a resolution 0.1°. It also features a visual bar LED indicator to show rudder angle, 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 weatherproof aluminium enclosure, fully sealed to IEC 60945 Exposed Area Classification. A standard, non-sealed version is also available.

The MD74RDI/W offers a weatherproof Rudder Angle Indicator solution for interior or exterior applications and is finished in Window Grey (RAL7040) Powder Coat.

APPLICATIONS

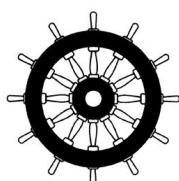
- Displays Rudder Sensor Angle Data transmitted from NMEA 0183 (IEC 61162-1) compatible equipment

ACCESSORIES

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

RELATED PRODUCTS

- [MD74RDI](#) - Rudder Angle Indicator (Standard)
- The complete range of Marine Data [Rudder Angle Indicators](#)
- [MD61](#) - Rudder Angle Sensor Transmitter



Wheelmark 0098

PHYSICAL

Weight:	1.0 kg
Dimensions:	H 137 mm; W 250 mm; D 78 mm (on bracket) Fascia: 192 x 97 x 7 mm
Mounting:	Panel mount or Bulkhead mount (accessory)
Connections:	Captive 2.5 m 8 core screened 7/0.2 data cable
Construction:	Aluminium alloy enclosure
Finish:	Window Grey (RAL7040) 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

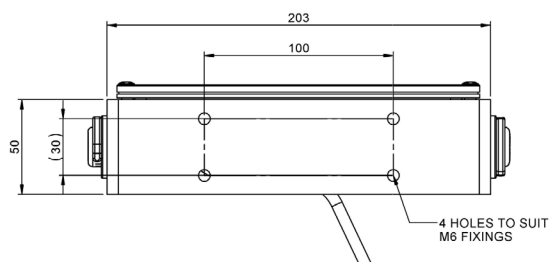
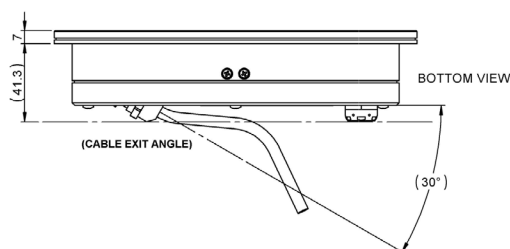
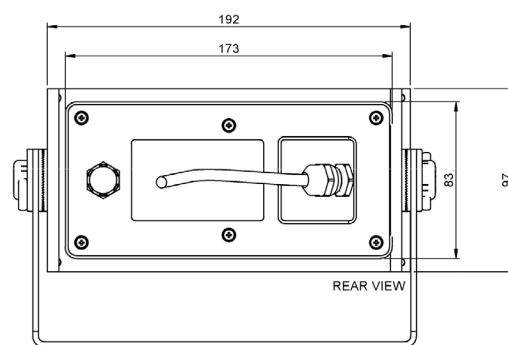
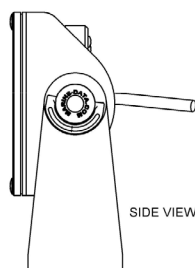
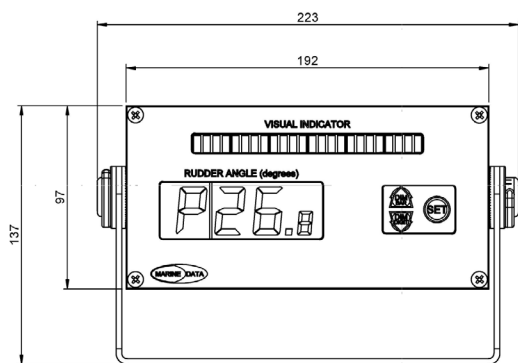
ENVIRONMENTAL

IEC 60945 Equipment Category:	Exposed Area
Operating temp:	-25°C to +55°C
Storage temp:	-25°C to +70°C
RoHS:	Compliant
Compass Safe Distance:	Standard: 20 cm Steering: 20 cm

APPROVALS

Conforms with:	BS EN 60945:2002 Inc. corrigendum April 2008 (BSI, 2008), BS EN 61162-1:2016 (BSI, 2016) BS EN 62288:2014 (BSI, 2016) 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



Copyright © 2022 Marine Data Systems Ltd. - MD74RDI-W Datasheet v06r06

Vittlefields Technology Centre, Forest Road, Newport, Isle of Wight, United Kingdom. PO304LY
Marine Data Systems Ltd. reserves the right to make changes to its products and specifications without prior notice.