

COMPASS & HEADING / TAPE REPEATERS

MD73HR/W WEATHERPROOF TAPE COMPASS HEADING REPEATER

SKU: F073051

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FEATURES

- **Large Format, High Contrast True Moving Tape Display**
- **LED Course to Steer Display**
- **NMEA Digital Input**
- **Automatic selection and prioritisation of NMEA heading data type**
- **Automatic indication of loss of valid heading data**
- **Automatic detection of previously lost heading data without requiring a reset**
- **True / Magnetic Source Indication**
- **Rugged Construction**
- **Local Dimming Control**
- **Fully sealed to IEC 60945 Exposed Area Classification**

TYPE APPROVED PRODUCT
DNV
DNV.COM/AF

OVERVIEW

The MD73HR/W is a weatherproof NMEA-based heading repeater with a true moving tape display. Digital heading data (ship's heading) may be conveniently displayed at any location on a vessel.

The MD73HR/W can be set to show the course to steer over a ± 30° range on an illuminated LED bar-type display.

Compact and rugged, the MD73HR/W offers a heading repeater solution for locations where the available space is limited and may be either bulkhead or panel mounted. Finished in Jet Black (RAL9005) Fine-texture Powder Coat to complement other marine navigation equipment.

The MD73HR/W from Marine Data: flexible in application, easy to install and simple to maintain.

APPLICATIONS

- Repeats the heading display of a ship's magnetic or gyro compass at any convenient location on a vessel
- Heading display for an Electro-magnetic Compass System

ACCESSORIES

- Panel Mounting Kit (Supplied)
- Bulkhead Bracket Mounting Kit (Optional)

RELATED PRODUCTS

- MD73HR - Tape Compass Repeater (Standard)
- MD73SR - Submarine Tape Compass Repeater
- The complete range of Marine Data Heading Repeaters
- Transmitting Heading Device (THD) System

SPECIFICATIONS

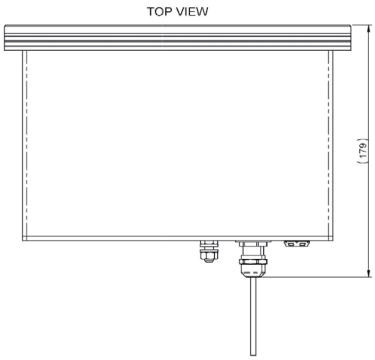
PHYSICAL	
Weight:	2.5 kg
Dimensions:	H 123 mm; W 290 mm; D 150 mm Fascia 235 x 85 x 4 mm
Mounting:	Panel mount or Bulkhead mount (accessory)
Connections:	1x 8 core captive data cable to bare tails M4 earth stud
Construction:	Aluminium alloy enclosure
Finish:	Jet Black (RAL9005) Fine-texture Powder Coat

ELECTRICAL	
Power Supply:	24 V dc 6 W nominal (22 V -31 V dc)
Data input:	NMEA 0183 (IEC 61162-1) Compliant 4800, 9600 Baud, auto-selecting
Data sentences:	THS, HDT, HDG and HDM; detected on start-up in descending order of priority
Cable:	2.5 m multicore data cable

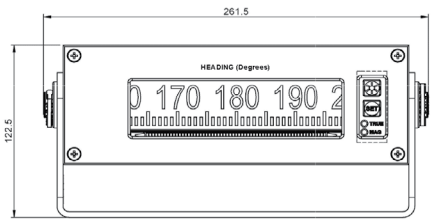
APPROVALS	
Conforms with:	BS EN 60945:2002 (BSI, 2008) BS EN 61162-1:2016 (BSI, 2016) BS EN 62288:2014 (BSI, 2016) BS ISO 8728:2014 (BSI, 2014) BS ISO 16328:2014 (BSI, 2014) IMO Res. A.424(XI) (IMO, 1979) IMO Res. A.821(19) (IMO, 1995) IMO Res. MSC.36(63) (IMO, 1994) IMO Res. MSC.97(73) (IMO, 2000) IMO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

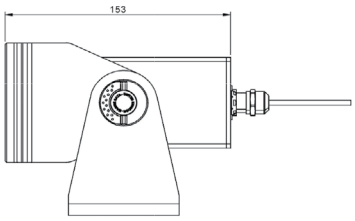
OPERATIONAL	
Performance:	± 0.1° resolution
Follow-Up Rate:	10° per second
Display:	Continuous moving tape; H 44mm; L 1440mm
Resolution:	Scale marked at 1°, 5° and 10° (1° = 4 mm)
Illumination:	LED array; dimming control; red tint
LED Display:	Course to Steer; 61 Yellow LEDs Heading range ± 30° Out of range LED indicators: Red (port) and Green (starboard) LED Resolution: 1 element = 1°
Loss of valid data:	Tape moves +/-35 degrees about last received valid heading

ENVIRONMENTAL	
IEC 60945 Equipment Category:	Exposed Area
Operating temp:	-25°C to +55°C
Magnetic	Magnetic Permeability: Category 'A'
RoHS:	Compliant
Compass Safe Distance:	Standard: 85cm Steering: 45cm



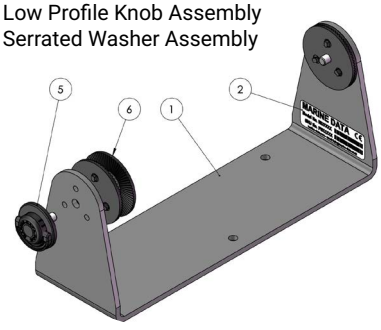
All dimensions in mm





MD73TB Trunnion Bracket Assembly

1. Trunnion Bracket
2. Serial Number Label
5. Low Profile Knob Assembly
6. Serrated Washer Assembly



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