

COMPASS & HEADING / TAPE REPEATERS

MD73HR TAPE COMPASS HEADING REPEATER

SKU: F073043

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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**

OVERVIEW

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

The MD73HR 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)
- Trunnion Mounting Kit (Optional)

RELATED PRODUCTS

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

TYPE APPROVED PRODUCT
DNV
DNV.COM/AF

SPECIFICATIONS

PHYSICAL	
Weight:	2.5 kg
Dimensions:	H 123 mm; W 290 mm; D 202 mm Fascia 235 x 85 x 4 mm
Mounting:	Panel mount or Bulkhead mount (accessory)
Connections:	1x data cable to 15-pin D-sub plug M4 earth stud
Construction:	Aluminium alloy enclosure
Finish:	Jet Black (RAL9005) Fine-texture Powder Coat

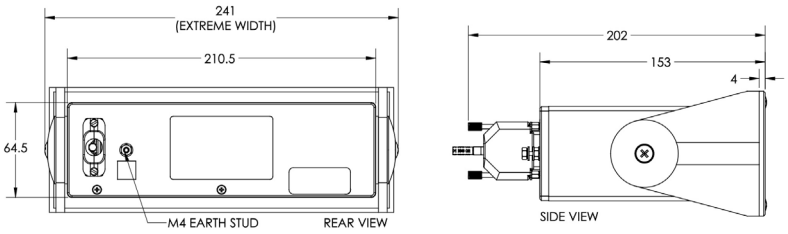
ELECTRICAL	
Power Supply:	24 V dc 6 W nominal (22 V -31 V dc)
Data input:	NMEA 0183 (IEC 61162-1) Compliant 4800, 9600 Baud, auto-selecting
Data sentences:	THS, HDT, HDG and HDM; detected on start-up in descending order of priority
Cable:	2.5 m multicore data cable

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: 85cm; Steering: 45cm

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

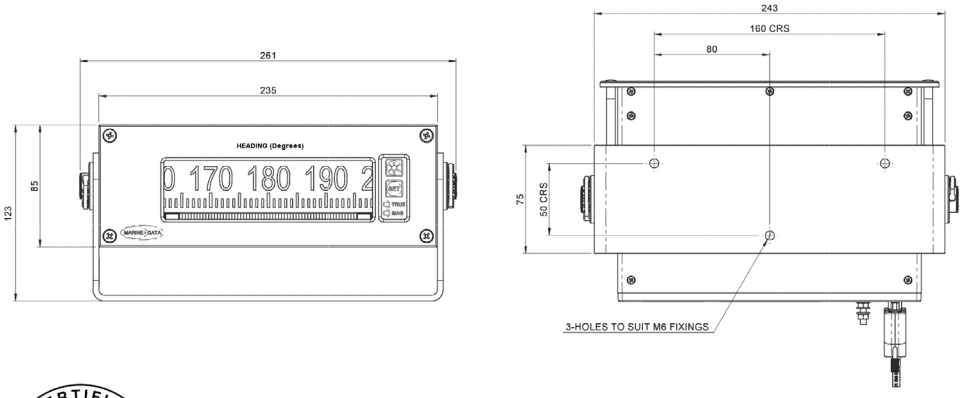
APPROVALS	
Conforms with:	BS EN 60945:2002 (BSI, 2008) BS EN 61162-1:2016 (BSI, 2016) BS EN 62288:2014 (BSI, 2016) BS ISO 8728:2014 (BSI, 2014) BS ISO 16328:2014 (BSI, 2014) IMO Res. A.424(XI) (IMO, 1979) IMO Res. A.821(19) (IMO, 1995) IMO Res. MSC.36(63) (IMO, 1994) IMO Res. MSC.97(73) (IMO, 2000) IMO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

Panel Mount (Kit Supplied)



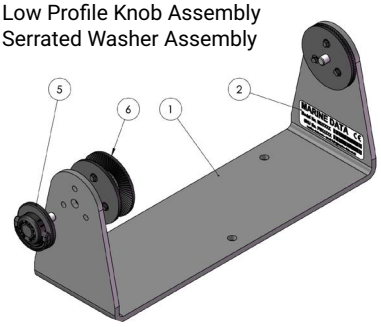
All dimensions in mm

Trunnion Mount (Kit Optional)



MD73TB Trunnion Bracket Assembly

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



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