

# DIAL REPEATER

# MD77/8

- Displays digital heading data on a traditional marine compass card display
- Accepts NMEA 0183 heading data from a variety of independent heading sources
- Automatically detects and prioritises the available heading data for display
- Suitable for workboats, tugs, fishing vessels and pleasure craft
- Flexible, simple to install and user-friendly
- Controllable dial illumination
- Rugged, marinised aluminium alloy housing

The MD77/8 Dial Repeater from Marine Data.



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# SPECIFICATIONS

## Physical

- Weight: 1.90kg
- Dimensions: Overall width 186mm; overall height 170mm (on brackets with dial vertical); overall depth 109mm (on brackets with dial vertical); fascia dimensions 144mm x 144mm
- Mounting: Panel mounted or bracket mounted
- Connections: 1x 6-way screened cable to 15-pin D-sub plug
- Construction: Aluminium enclosure
- Finish: Stove enamel, black-grey (RAL7021)

## Electrical

- Power supply: 24V DC
- Data input: Digital RS422 NMEA 0183; 4800 BAUD; 1 start bit; 8 bits; no parity; 1 stop bit
- Data sentences detected: HDT, HDG and HDM; detected on start-up in descending order of priority
- Cable requirements: Data cable 7/0.2 (7 conductors, 0.2mm<sup>2</sup> each)

## Operational

- Performance:  $\pm 0.5^\circ$  accuracy
- Follow-up rate: 12° per second
- Display: Rotating compass card style dial display
- Dial Resolution: 1 (marked to 1° of angular displacement)
- Loss of valid data: Dial oscillates  $\pm 35^\circ$  about the last known good heading and the dial illumination flashes (this is an alert condition)

## Environmental

- Water resistance rating: IP54 (also available in a version rated to IP65 on request)
- Operating temperature: -10°C to +70°C
- RoHS compliant

## Additional Information

- Supplied with 2.5m of cable terminated with 15-pin D-sub type connector
- Independently tested to IEC60945: 2002 by TÜV Product Service Ltd.



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