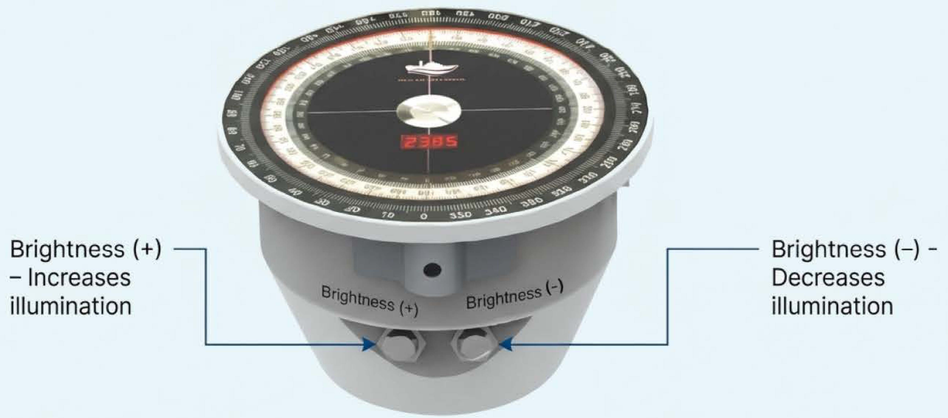
HDG-100 Bearing Repeater Compass

Precision Navigation. Uncompromising Reliability.

OCEAN VOYAGER MARINE ELECTRONICS SYSTEMS

User Interface: Brightness Control



The unit is controlled by two primary buttons. Briefly pressing the (+) button increases the dial illumination. Briefly pressing the (–) button decreases it. The dial illumination can be completely turned off by reducing brightness to its minimum level. The digital display remains active at a low brightness setting.

Technical Specifications Summary

Power

Voltage: 18–32 VDC
Connection: 2-wire (Positive, Negative/GND)

Data Interface

Standard: RS422
Protocol: NMEA 0183
Connection: 2-wire (Line A, Line B)

Communication Parameters

Supported Baud Rates: 2400, 4800, 9600, 19200, 38400 bps
Accepted NMEA Sentences: HDT, HDM, HDG, VTG

Display

Primary: 360° mechanical dial with adjustable illumination.
Secondary: 4-digit digital LED display.

Configuration

Method: 2-button menu access
Memory: Non-volatile

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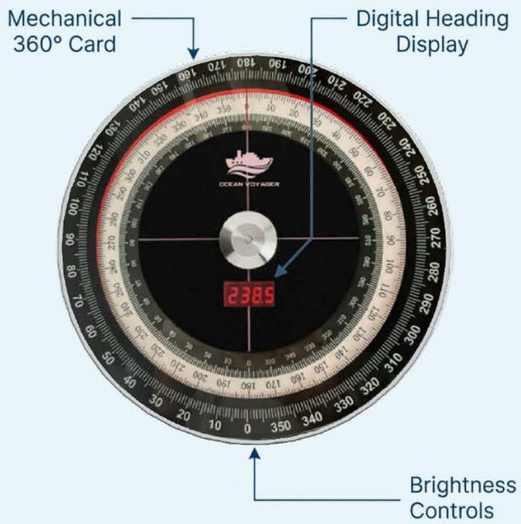


The HDG-100: A Clear View of Your Heading

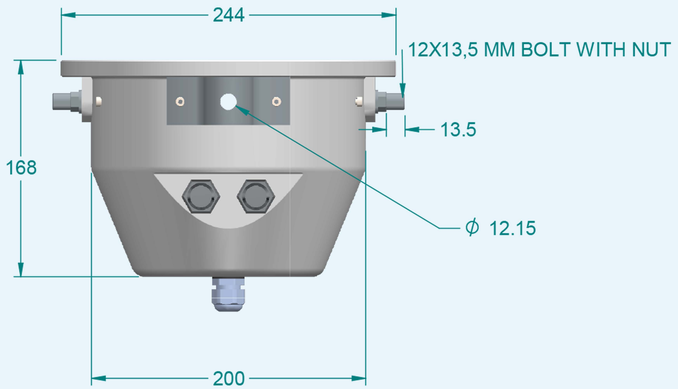
Core Description: The Ocean Voyager HDG-100 is an advanced Bearing Repeater Compass designed to provide a clear and precise indication of a vessel's heading. It receives and displays data from the ship's main compass system via a standard serial interface.

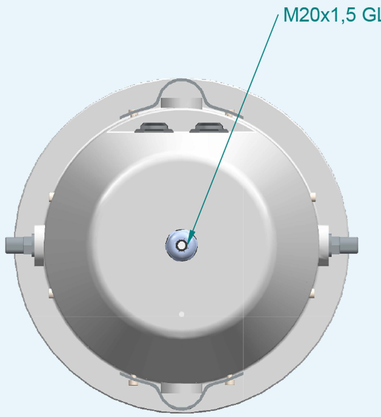
Key Functionality:

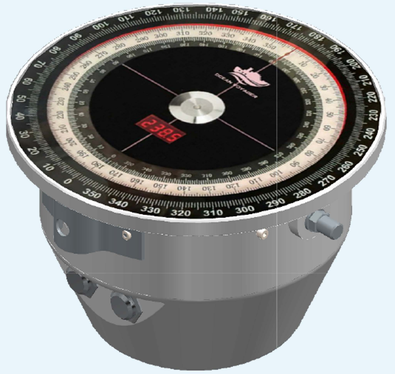
- **Dual Display:** Combines a classic 360° mechanical card with an integrated digital display for immediate, at-a-glance readability.
- **Serial Data Integration:** Processes standard NMEA 0183 heading data for seamless compatibility with a wide range of gyro compasses and heading sensors.
- **Robust & Reliable:** Engineered for continuous operation in demanding marine environments.

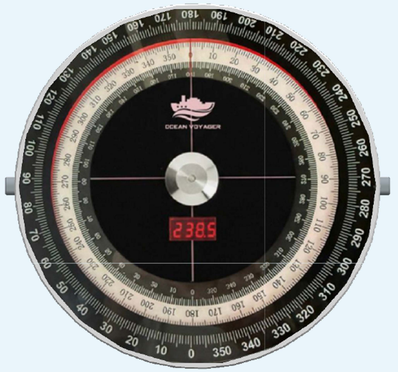
Dimensions

Main Unit

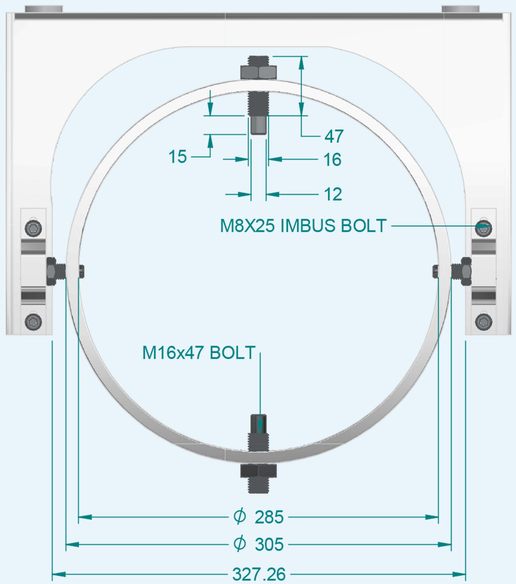


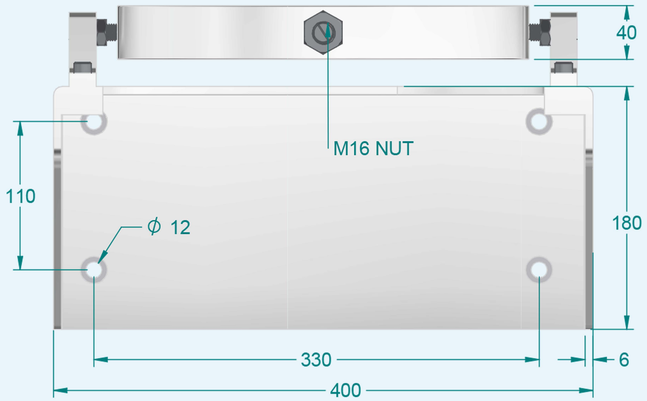


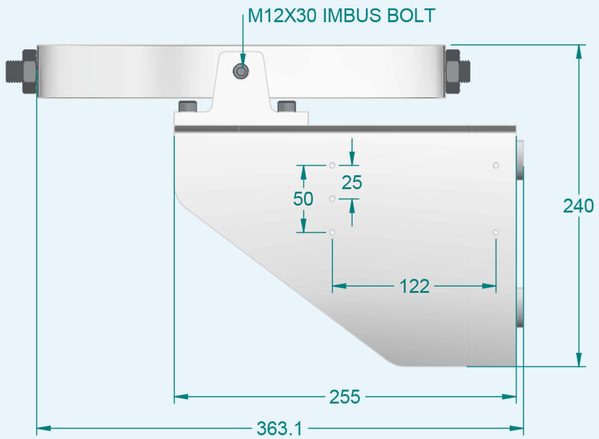


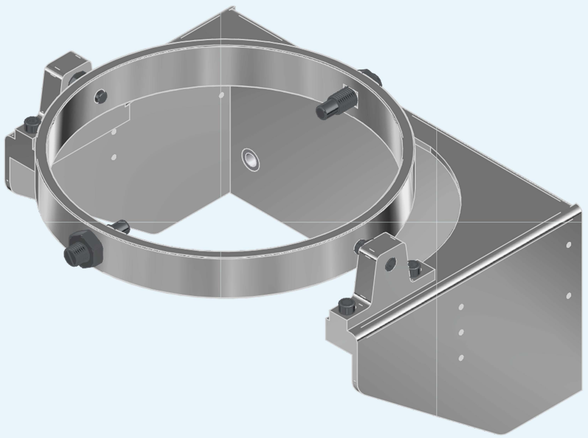


Foundation Unit









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**Dimensions are in mm.*
***Foundation unit is an optional part.*