



HODIS - DISTANCE MEASUREMENT SYSTEM

Continuous radar-based distance and speed monitoring for safe vessel maneuvering

HODIS provides reliable FMCW radar-based monitoring for berthing, docking, and maneuvering operations, delivering accurate distance and speed data in all weather conditions while supporting safer vessel handling and operational efficiency.

Why Hoppe

- Real-time distance and speed monitoring
- Reliable operation in fog, rain and darkness
- Improved situational awareness during berthing and docking
- Energy-efficient operation (≈ 70 W per measurement point)
- Flexible installation, including retrofit applications
- Heel compensation for accurate measurements

System Overview

- HODIS measurement system based on FMCW radar technology
- Radar sensors for distance and speed measurement
- Real-time data acquisition and centralized processing
- Measurement range: 0.1–65 m
- Operating temperature: -40°C to $+80^{\circ}\text{C}$
- Easy configuration and diagnostics



Information On The Bridge

- Web-based user interface accessible from any browser-capable device
- Real-time distance and speed display from all sensors
- Sensor configuration and health monitoring
- Trend graphs for approach and movement history
- Modbus output for integration into ship automation systems

Supported Vessel Types

- Ferries
- Container Ships
- Multipurpose Vessels
- Barges
- Docks
- Locks

OUR PRODUCT RANGE

Fluid & Floating

- Valve Remote Control
- Anti-Heeling
- Tank Gauging
- Flume Anti-Rolling
- Interling Anti-Rolling
- Distance Measuring
- Draught Measurement
- Electronic Inclinator
- Dynamic Draught and Floating Monitoring
- Floating Condition Control

Performance & Energy

- Emission Monitoring
- Energy Measurement
- Shaft Power Meter
- Fuel Measurement
- Energy Saving Solutions
- Crew Connect
- Performance Monitoring
- Data Collection and Acquisition

Fleet Services

- Spare Parts
- Technical Service
- Retrofit- And Upgrades
- MIoT Digitalization Upgrade

www.hoppe-marine.com

