



DYNAMIC DRAUGHT AND FLOATING MEASUREMENT

Real-time monitoring of vessel draught, trim and floating condition during operation

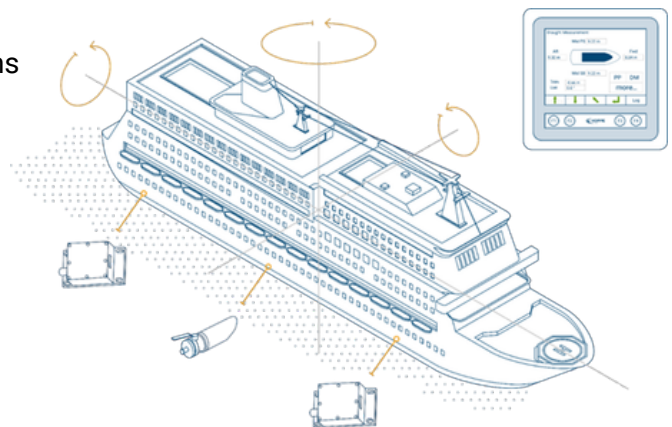
The Dynamic Draught and Floating Measurement System combines hydrostatic draught sensors with inertial motion measurements to provide continuous monitoring of the vessel's floating condition. Dynamic influences during the voyage are automatically compensated, enabling accurate floating condition assessment and optimization.

Why Hoppe

- Continuous monitoring of the vessel's floating condition
- Sensor fusion of draught and motion measurements
- Dynamic compensation of voyage influences
- Real-time trim and draught information
- Accurate vessel motion monitoring
- Integration into onboard monitoring systems
- Reliable measurement under dynamic operating conditions

System Design

- Hydrostatic pressure sensors (HCG 2011)
- HOSIM2 inertial measurement system
- HOMIP PLC-based control architecture
- Bow, stern, port and starboard draught measurements
- Centralized data processing and visualization
- Ethernet / RS485 communication architecture
- Integration into ship management systems



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

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