



FUEL CONSUMPTION MEASUREMENT

Exploits the Economic and Environmental Opportunities to Improve Ship Fuel Efficiency

Since decades, Hoppe Marine has been engaged in the development, installation and upgrading of fuel consumption measurement systems by offering harmonized hardware and in-house developed software.

From small supply vessels to ultra large container ships, our fuel consumption monitoring system is fully adjustable for any type of fuel scheme and is designed to meet all customers' requirements.

Our partnership with specialists in the field of instrumentation and process automation allow us to make use of high-level performing components and to deliver more complex requirements when needed.

The fuel consumption measurement system primary consists of our Control Unit (HOMIP) and mass flow meters operating on the "Coriolis principle".

Additionally and depending on the customers' application, further fuel consumption optimization modules such as Navigation can be connected to the system to provide all features necessary for precise long term consumption. Nearly all existing flow meters can be intergraded to become compatible with our system.

KEY FEATURES

- Accurate mass flow, density and temperature measurement
- Compatible with existing equipment
- Overview of important performance and fuel consumption relevant data of the main/auxiliary engines and boiler at different time intervals and for various parameters
- Overview of consumption of all fuel grades at a glance (HFO, HLS, MGO, MDO, MLS)
- Overview of lower heating value and rate of sulphur for each fuel grade
- Overview of propulsion specific data such as vessel speed over ground and through water, slip and efficiency per nautical mile (if connected to nautical data)
- Possibility to display all fuel consumption measurements on data display in engine control room
- Convenient zero flow calibration through control unit
- Automatic fuel grade switch by temperature detection
- Individual piping design

OUR PRODUCT RANGE

CONTROL SYSTEM

- Valve Remote Control
- Anti-Heeling
- FLUME Box Tank — Roll Damping
- INTERING U-Tank — Roll Damping
- Dock Control
- Floating Condition Control

MEASURING SOLUTIONS

- Tank Content Measurement
- Bunker Management
- Draught Measurement
- Dynamic Draught and Floating Monitoring
- Maihak Shaft Power Meter
- Maihak SHaPoLi
- Fuel Consumption Measurement
- Electronic Inclinator

INFORMATION SERVICES

- Performance Monitoring
- Crew Connect
- Fleet Connect

FLEET SERVICES

- Technical Support
- Spare Parts
- Service On Board
- Retrofit

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