marine exact

INTELLIGENT ENGINES & PROPULSION MANAGEMENT SYSTEM

Control Performance — Power in Your Hands

MOTOR POINT

Marine Exact – system functions and characteristics

The system consists of a Local Operating Panel (LOP), managed by the InteliDrive 700 controller, and various types of remote panels.

Display present all operational and statistical data, with access to engine parameters.

Start/Stop functions can be performed directly from the controller, a remote display or pushbuttons.

Sensors are connected to the InteliDrive 700 controller or its I/O cards.

ANALOG SIGNALS

1. Engine speed
2. Lubricating oil pressure (4-20mA)
3. Coolant temperature
4. Exhaust gas temperature (NiCr)
5. Gearbox oil pressure
6. Gearbox oil temperature
7. Power supply voltage

REMOTE CONTROL PANEL - WHEELHOUSE

The remote control panel consists of the following components:

1. Key switch for turning the entire monitoring system On/Off
2. START pushbutton
3. STOP pushbutton
4. EMCY. STOP pushbutton
5. OVERRIDE pushbutton

ADDITIONAL SAFETY FEATURES

To improve system reliability, critical functions such as START and STOP are duplicated. These functions can be performed using pushbuttons installed at each control station or via remote displays. This redundancy ensures reliable engine control even in the event of a single component failure.

1. Remote engine start
2. Remote engine stop
3. Engine emergency shutdown
4. Engine protection override

DIGITAL SIGNALS

1. Low lubricating oil pressure
2. High coolant temperature
3. Low gearbox control pressure
4. High fuel oil leaking
5. Low coolant level

- Reliable
- Cost effective
- State-of-the-art technology
- Advanced engine monitoring
- Redundant safety system
- User-friendly interface
- Customizable visualization options
- Minimal installation requirements

Advanced visualization of critical engine parameters enables trend analysis and remote monitoring, providing valuable insights into engine performance.

Enhance engine reliability with a modern monitoring solution designed to meet today's operational requirements. Advanced visualization of critical engine parameters enables trend analysis and remote monitoring, providing valuable insights into engine performance. The system supports the integration of additional sensors such as charge air pressure, exhaust temperature and fuel level enabling comprehensive monitoring of critical parameters. Fast installation and commissioning minimize vessel downtime while components approved by leading classification societies (GL, DNV, LR, CRS) ensure compliance with the highest industry standards and dependable operation.

Before refit

Limited monitoring capabilities and aging technology

After refit

Digital monitoring, enhanced diagnostics and improved reliability

Long-Term and Short-Term Engine Monitoring

The system supports both long-term and short-term monitoring of all engine parameters. Data can be stored in the internal memory or on an external USB drive. The recorded data can later be exported to Microsoft Excel for analysis of engine parameters, enabling assessment of engine condition and supporting effective maintenance planning.

A modern electronics refit transforms existing vessel systems into a smarter, more efficient platform for safe and reliable operation.

Advanced monitoring technologies provide greater insight into critical vessel data, allowing crews and operators to make informed decisions while improving operational performance and safety. Enhanced functionality, greater reliability, and access to real-time information help maximize uptime and reduce maintenance costs.

Beyond the operational advantages, upgrading onboard electronics increases the vessel's market value, making the refit a strategic investment with lasting returns.

About Motorpoint

Motorpoint d.o.o. was founded by a team of passionate engineers and technology professionals with extensive experience in marine propulsion, engine systems, and automation. Since its establishment in 2018, the company has grown into a trusted partner for maintenance, modernization, and technical support of marine propulsion and monitoring systems.

As an authorized service provider for MTU – Rolls-Royce Solutions, Hatz Diesel, and Kongsberg Kamewa waterjets, Motorpoint delivers comprehensive services ranging from preventive and corrective maintenance to advanced diagnostics, commissioning, and system upgrades. Our customers include both government and private operators, with whom we maintain long-term service and support agreements.

Operating from our modern 1,000 m² facility in Kastav, Croatia, our team of 29 highly skilled professionals combines mechanical, electrical, and software expertise to provide reliable and efficient solutions for the maritime industry.

A key part of our business is the development, integration, and maintenance of monitoring and control systems. Our dedicated electrical and automation department consists of ten specialists, including experienced electronics engineers, focused on delivering innovative, user-friendly, and future-proof solutions such as the Marine EXACT platform.

With strong technical knowledge, proven references, and a commitment to quality, Motorpoint continues to support vessel operators in improving reliability, safety, and operational efficiency throughout the lifecycle of their assets.

Engineering reliability. Delivering performance.

Sufinancira Europska unija

Naziv projekta: Jačanje konkurentnosti tvrtke Motorpoint d.o.o. kroz internacionalizaciju poslovanja

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