Op-Advance POWER AND FUEL CONSUMPTION MONITORING SYSTEM

SHAFT POWER, FUEL CONSUMPTION & SPEED MONITORING SYSTEM Intelligently designed system for efficiency improvement





Main features

- + Convenient dashboard view Provides a quick, real-time view, of your system
- + Time interval in graph mode Displays last minute or last hour data on a graph
- + Statistics and voyage specific data Statistics for spectific engine or overall configuration
- + 12" Marine DNV touchscreen panel computer Touch screen panel computer with dimmable screen
- + GPS signal input Connect a GPS device over a RS-232 NMEA 0183
- + Remote support access A fast and easy way to upgrade the system
- + Engine performance reports generator Adobe Acrobat[®] PDF and *Microsoft* Excel[®] formats

A performance system customized to fit your needs

Op-Advance is a versatile performance monitoring system designed to display, log and analyse power, RPM, torque and fuel consumption from KRAL flowmeters and Binsfeld Engineering torquemeters. It also integrates data from the shipboard GPS.

The KRAL Volumeter

with a precision of $\pm 0.1\%$, it is the ideal instrument for fuel consumption measurement.

The Binsfeld Engineering's TPM2

is a rugged precision instrument designed to measure torque and/or power in real time on rotating shafts of sizes up to 40 inches (1016 mm) in diameter.

Monitored data

- + Total fuel consumption
- + Total distance travelled
- + Peak and average speed
- + Average specific fuel consumption
- + Fuel consumption per nautical mile
- + Average shaft torque, power and revolution

Additional features (options)

- + Wheelhouse repeater
- + Electrical power meter
- + Email report module



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Operation analysis & change implementation using real time data



Graph display Display of last-minute or last hour data.





Statistics

Gives access to calculated statistics and voyage specific data.

Sea Trial module

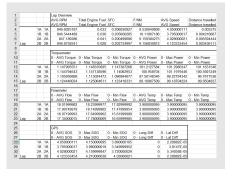
Measure, compare and benchmark vessel performance. The sea trial module records lap data as easily as recording time with a chronometer.

Data output and reports

Data output includes real-time display. Daily, voyage and sea trial reports. Historical data in binary or text format.

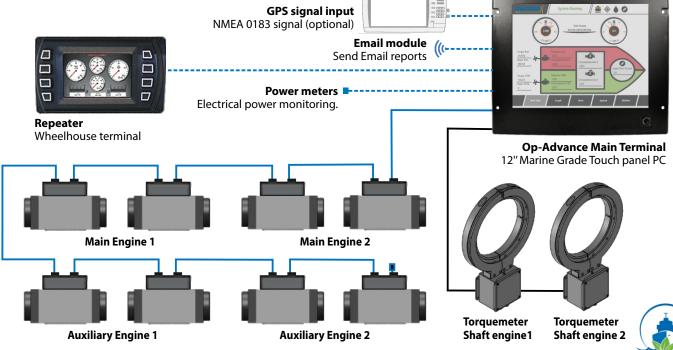


Configuring instruments Locked to the normal everyday user. Unlock it to configure the system.



GREEN MARI

Suggested system configuration



www.opdaq.com