

Op-Torq

POWER MONITORING SYSTEM

TORQUE & POWER DATA MONITORING SYSTEM

To measure true mechanical torque and power on rotating shafts



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 specific engine or overall configuration
- + **12" Marine DNV touchscreen panel computer**
Touch screen panel computer with dimmable screen
- + **Remote support access**
A fast and easy way to upgrade the system
- + **Engine performance reports generator**
Adobe Acrobat® PDF and Microsoft Excel® formats
- + **DataVIEW Software**
A PC-based Software for further data analysis

Op-Torq is designed to display, log and analyse power, RPM, torque from Binsfeld Engineering TorqueTrak torquemeters.

The Binsfeld Engineering's TorqueTrak 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.

Op-Torq often serves for equipment inspection, diagnostic, testing, troubleshooting and maintenance.

Applications include

- + Propulsion shaft torsional measurement
- + Performance monitoring
- + Remote monitoring / reporting
- + Finding the optimum engine load
- + Optimize load sharing
- + Avoid engine overloading
- + Diagnose maintenance needs

Monitored data

- + Shaft torque
- + Shaft revolution
- + Engine power at the shaft

Additional features (options)

- + Secondary display / Wheelhouse repeater
- + Email report module



Op-Torq

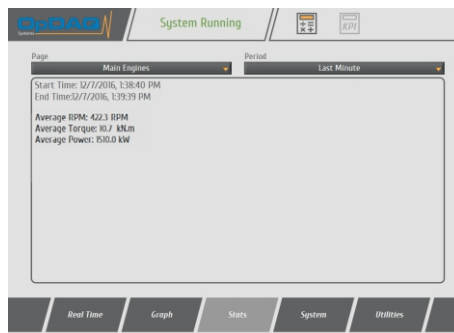
POWER MONITORING SYSTEM

The right tool to assess the benefits of a new technology



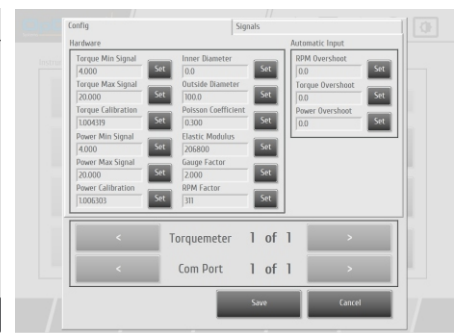
Graph display

Display of last-minute or last hour data.



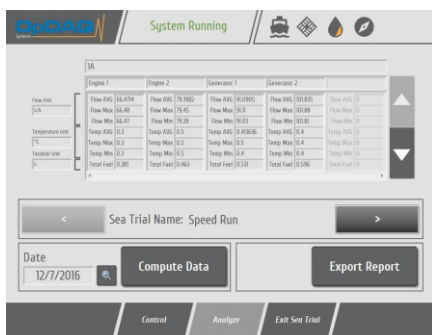
Statistics

Gives access to calculated statistics and voyage specific data.



Configuring instruments

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



Test/Sea Trial module

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

Lap	Overview	AVG RPM	AVG RPM	Total Engine Fuel	SECS	F.M.M	AVG Speed	Distance Traveled
1	1A	846.0025187	0.033	0.200630827	9.530040899	4.05000111	0.003375	
2	1B	846.5444488	0.036	0.200660295	9.11987138	3.790000017	0.00419967	
3	2A	847.189386	0.041	0.200499906	9.159384275	4.020000021	0.00594444	
4	2B	846.8750341	0.028	0.202724997	9.159384275	4.123333454	0.00458111	
5								
6								
7								
8								
9								
10								
11								
12	1A	1.147995551	1.146330895	1.147387296	101.2173534	101.2980347	101.1631546	
13	1B	1.144794643	1.147138596	1.14062953	100.956794	101.1979446	100.5921249	
14	2A	1.102596888	1.115024473	1.086994877	97.58148346	98.2279442	96.7677536	
15	2B	1.124460531	1.125646111	1.123415331	98.10867529	99.1070524	99.0240537	
16								
17								
18								
19								
20	1A	18.01959982	18.23999977	17.92999992	3.900000095	3.900000095	3.900000095	
21	1B	17.97499979	18.14999982	17.47999954	3.900000095	3.900000095	3.900000095	
22	2A	16.97199993	17.64999982	15.61999989	3.900000095	3.900000095	3.900000095	
23	2B	17.34000015	17.73000009	16.65999985	3.900000095	3.900000095	3.900000095	
24								
25								
26								
27								
28	1A	4.050000111	4.150000095	3.890000105	0	2.288028-05	0	
29	1B	3.790000017	3.980000019	3.549999952	0	3.314715-05	0	
30	2A	4.080000021	4.159999847	3.720000029	0	5.340588-05	0	
31	2B	4.123333454	4.210000038	4.030000021	0	2.288028-05	0	

Data output and reports

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

Suggested system configuration

