



DataLog

Fuel Monitoring Software for FloNET Systems

DataLog was developed to fulfill customer requests to record fuel usage data for NOx emissions reporting and to simplify fuel inventory control. It also provides the captain with valuable real-time fuel flow data to pinpoint the engine speed to improve fuel economy up to 20% or more. And the individual fuel flow rates and temperatures keep track of the engine's health and performance. Changes in these parameters under normal operating conditions, such as a reduction in the supply flow rate or a marked increase in the return flow temperature, are a clear indication that something's amiss and should be investigated. This feature alone could save thousands of dollars in downtime and repair costs

Fuel flow parameters recorded and displayed include:

- Net fuel flow rate
- Net fuel usage total
- Supply flow rate and temperature
- Return flow rate and temperature

Vessel parameters recorded and displayed include:

- Speed over ground
- Course over ground
- Fuel efficiency
- GPS coordinates



The data recorded on the PC is automatically transferred to a custom-programmed FloScan flash drive as a CSV spreadsheet file. The USB flash drive is automatically synced with the latest "unrecorded" data each time the flash drive is inserted. This can be done daily, weekly, monthly, etc..., to retrieve the data or the file can be manually e-mailed as an attachment directly from the vessel's PC. Each commercial copy can monitor and record up to 16 engines simultaneously on a NMEA 2000 or CANbus (network) backbone. Software also includes custom CSV spreadsheet report generation. Contact FloScan for pricing.

FLOSCAN DATALOG REPORT				
Vessel Name: Demo				
Job Information: Demo				
Date Start:	2011-10-13 10:30:30.143	2011-10-13 10:40:30.882	2011-10-13 10:41:31.823	
Date Stop:	2011-10-13 14:31:56.190			
Instances:	2011-10-13 10:30:30.143	2011-10-13 10:40:30.882	2011-10-13 10:41:31.823	
GPS LOCATION (latitude/longitude)	N 33 27.0 37	N 33 27.0 37	N 33 27.0 37	
GPS LOCATION (longitude/latitude)	W 06 125.16 20	W 06 125.16 20	W 06 125.16 20	
COURSE OVER GROUND (degrees)	80	80	80	
SPEED OVER GROUND (knots)	13.0	13.0	13.0	
0.1.2.3 Total Gallons Per Hour	48.04	48.04	48.04	
0.1.2.3 Total Gallons Consumed	119115.8	119115.8	119115.8	
0.1.2.3 Total Fuel Efficiency (gallons/nautical mile)	3.20	3.20	3.20	
0.1 Main Fuel Efficiency (gallons/nautical mile)	2.21	2.21	2.21	
0 Port Main Engine Fuel Flow Rate (GPH)	18.82	18.37	18.4	
1 Sild Main Engine Fuel Flow Rate (GPH)	13.26	14.03	14.1	
2 Port Generator Fuel Flow Rate (GPH)	9.5	9.5	9.5	
3 Sild Generator Fuel Flow Rate (GPH)	8.20	8.18	8.18	
0 Port Main Engine Fuel consumed (Gallons)	15887.9	15888.1	15888.4	
1 Sild Main Engine Fuel consumed (Gallons)	3378.2	3378.2	3378.2	
2 Port Generator Fuel consumed (Gallons)	80135.5	80135.7	80135.8	
3 Sild Generator Fuel consumed (Gallons)	24819.0	24819.0	24819.0	
0 Port Main Engine Supply Flow Rate (GPH)	20.89	20.36	20.37	
0 Port Main Engine Return Flow Rate (GPH)	4.17	4	3.92	
1 Sild Main Engine Supply Flow Rate (GPH)	19.44	19.85	20.39	
1 Sild Main Engine Return Flow Rate (GPH)	4.26	4.26	4.26	
2 Port Generator Supply Flow Rate (GPH)	24.91	25.04	25.28	
2 Port Generator Return Flow Rate (GPH)	16.31	16.64	16.3	
3 Sild Generator Supply Flow Rate (GPH)	19.97	19.97	19.79	
3 Sild Generator Return Flow Rate (GPH)	14.61	14.71	14.74	
0 Port Main Engine Supply Flow Temp (F)	71.4	71.4	71.4	
0 Port Main Engine Return Flow Temp (F)	73.2	73.2	73.2	
1 Sild Main Engine Supply Flow Temp (F)	69.5	69.5	69.5	
1 Sild Main Engine Return Flow Temp (F)	72.3	72.3	72.3	
2 Port Generator Supply Flow Temp (F)	72.6	72.6	72.6	
2 Port Generator Return Flow Temp (F)	71.4	71.4	71.3	
3 Sild Generator Supply Flow Temp (F)	69.2	69.2	69.2	
3 Sild Generator Return Flow Temp (F)	111.2	111.2	111.2	
0 Port Main Engine Hours	79.21:37.83	79.21:38.34	79.21:38.34	
1 Sild Main Engine Hours	63.22:37.54	63.22:38.28	63.22:39.25	
2 Port Generator Hours	63.22:36.18	63.22:37.17	63.22:38.31	
3 Sild Generator Hours	74.20:31.24	74.20:34.19	74.20:35.25	

Twin Engine NMEA 2000 Interface Hub Installation using T-Connectors

