Engine Monitoring System (Yanmar)

- Converts Analog Data to NMEA 2000[®] Digital Data
- Converts Following Data if **Engine is Equipped with Sensors**
 - ✓ Tach, Hours, Water Temp, Oil & **Boost Pressure, Volts, Trim**
- Converts Engine Alarms if Engine is Equipped with Switches
 - ✓ Fuel, Boost, Coolant Level & Temp, Oil Pressure, Exhaust Flow
- Plugs Directly into Engine Wiring Harnesses
- Used With or Without Analog Gauges

Maretron's EMS100 plugs directly into engine wiring harnesses and converts analog signals such as water temperature and oil pressure to the new marine digital interface (NMEA 2000^a). Critical engine data is then distributed throughout the vessel over a single cable where it can be monitored by any NMEA 2000[®] compatible display.

The EMS100 is compatible with existing instrument panels and key switches so you don't need to remove them while upgrading to newer digital technology. For new installations, the EMS100 and a compatible NMEA 2000[®] display can replace the traditional analog instrument panel.





- Tachometer
- Engine Hours
- Coolant Water Temperature
- Engine Oil Pressure
- Boost Pressure
- Charging Voltage
- Drive Trim
- Fuel Filter Alarm
- Boost Alarm
- Coolant Water Level Alarm
- Engine Oil Pressure Alarm
- Exhaust (Salt Water Flow) Alarm Coolant Water Temperature Alarm

The EMS100 is compatible with these Yanmar engines fother engines supported soon, check our web page www.maretron.com):

- GM Series
- YM Series
- JH Series
- LH Series
- · LP Series LY Series





www.maretron.com | 1-866-550-9100



Fluid Flow Monitor (FFM100)

- Monitors Two Independent Flow Meters (Gas Engines) or Two Flow Meters Associated with Single Diesel Engine
- Flow Meters Powered Directly from NMEA 2000[®] Network
- True Temperature Compensation with Built In Thermistors
- Reverse Flow Detection and Compensation Due to Lift and Injector Pump Pulsations
- Positive Displacement Meter Doesn't Require Flow Conditioning Like Turbine Meters (i.e., Pulsation Dampers and Straighteners)
- Accessory Fuel Flow Meters







J1939 to NMEA 2000® Gateway

- Attaches to Any J1939 Engine,
 Transmission, or Genset
 - ✓ Caterpillar, Cummins, Detroit Diesel, John Deere, Kohler, Northern Lights, Onan, Perkins, Steyr, Volvo Penta, Yanmar, etc.
- Converts Following J1939 Data to NMEA 2000[®] for Display on Compatible Equipment (Furuno, Garmin, Maretron, Raymarine)
 - ✓ AC Generator Current, Freq, & Voltage, Tach, Hours, Coolant Pressure & Temp, Oil Pressure & Temp, Fuel Rate, etc.
- Interfaces to Dometic AC and Icemakers
 - ✓ Observe and Set Room Temperature, Control Modes and Fan Speeds



