What Yanmar engine models is the EMS100 compatible with?

NOTE: The EMS100 has been discontinued and is no longer offered for sale.

The EMS100 is suitable to work with Yanmar Engines which carry the Yazaki type connector.

- If your engine comes with a Yanmar panel, please note that all panels are not compatible. In recent years, Yanmar has introduced a engine panel that utilizes the alternator voltage for tachometer measurement; this will affect how the EMS100 reads and transmits tachometer readings at various RPM ranges.
- The EMS100 requires calibration and adjustment that can only be made using the DSM150, DSM250 or N2KAnalyzer.
- To ensure your engine is fully compatible with the EMS100, verify the engine has two Yazaki connectors and meets the criteria listed below:

List of Yanmar Senders and Switches part numbers available from Yanmar:

- Yanmar part # 11977391501 Oil pressure sender unit
- Yanmar part # 12125269450 Oil pressure switch
- Yanmar part # 12406039452 Oil pressure switch
- Yanmar part # 14462691590 Coolant water sender
- Yanmar part # 11977391301 Boost pressure sender
- Yanmar part # 12817091160 Magnetic Pickup sender, Tachometer Sender Needed for newer type engine panels.

Sailing Engines:

- 1GM10
- 2YM15
- 3YM20
- 3YM30
- 3JH4E
- 4JH4E
- 4JH4AE
- 4JH3-TE
- 4JH3-HTE
- 4JH3-DTE
- 4JH4-TE
- 4JH4-HTE

Powerboat Engines:

- 4LHA-HTP
- 4LHA-DTP
- 4LHA-STP
- 4LHA-DTZP
- 4LHA-HTZP
- 4LHA-STZP
- 6LPA-DTP
- 6LPA-STP
- 6LPA-STZP
- 6LPA-DTZP
- 6LPA-STP2
- 6LYA
- 6LY2A
- 6CXM-GTE

Workboat Engines:

- 4CHE3
- 6CH-DTE3

- 6CXB
- 6AY
- 6CX-GTYE
- 6HA2M-HTE(H)
- 6HA2M-HTE-DTE

 Note: The EMS100 wire harness (part # - EMSYRM01) connects between the engine and instrument panel. Most modern Yanmar engines use the rectangular Yazaki connector, but you should verify the type of connector prior to considering purchasing the EMS100 or associated wiring harness.

The following illustration shows Yanmar Panels compatible with the EMS100 Harness.

The following illustration shows a basic NMEA2000 network with the EMS100 and DSM150/DSM250 multi-function display.