

Appendix

Supported NMEA 2000 messages

PGN	Description
65030	J1939 Generator Average Basic AC Quantities
65226	J1939 Diagnostic Message #1
65227	J1939 Diagnostic Message #2
65228	J1939 Diagnostic Message #3
65229	J1939 Diagnostic Message #4
65230	J1939 Diagnostic Message #5
65231	J1939 Diagnostic Message #6
65232	J1939 Diagnostic Message #8
65234	J1939 Diagnostic Message #10
65235	J1939 Diagnostic Message #11
65236	J1939 Diagnostic Message #12
126992	System time
127245	Rudder
127250	Vessel heading
127251	Rate of Turn
127257	Attitude
127258	Temperature (Old Version)
127488	Engine Parameters, Rapid Update
127489	Engine Parameters, Dynamic
127498	Engine Parameters, Static
127505	Fluid level
127508	Battery status
128259	Speed: Water referenced
128267	Water depth
129025	Position: Rapid update
129026	COG and SOG: Rapid update
129029	GNSS position data
129033	Local Time Offset
129044	Datum

PGN	Description
129283	Cross track error
129284	Navigation data
129285	Navigation route and waypoint info
129539	GNSS dilution of precision (DOP)
129540	GNSS satellites in view
130306	Wind data
130310	Environmental parameters
130311	Environmental parameters
130312	Temperature
130313	Humidity
130314	Actual Pressure
130316	Temperature, Extended Range
130569	Entertainment - Current File and Status
130570	Entertainment - Library Data File
130571	Entertainment - Library Data Group
130572	Entertainment - Library Data Search
130573	Entertainment - Supported Source Data
130574	Entertainment - Supported Zone Data
130576	Small Craft Status
126992	System time
127488	Engine Parameters, Rapid Update
127489	Engine Parameters, Dynamic
127493	Transmission Parameters, Dynamic
127498	Engine Parameters, Static
127505	Fluid Level
127508	Battery Status
128267	Water Depth
130316	Temperature, Extended Range

Supported SAE J1939 messages

PGN	SPN	Description
61444	190	Engine Speed
61443	92	Engine Percent Load
61443	92	Engine Percent Load at Current Speed
61444	513	Actual Engine - Percent Torque
61445	523	Transmission Current Gear
65030	-	Generator Average Current
65030	-	Generator Average Frequency
65030	-	Generator Average Line to Neutral Voltage
65030	-	Generator Average Line to Line Voltage
65176	1180	Exhaust Temperature
65214	189	Engine Rated Speed
65242	234	Software Identification
65253	247	Engine Total Hours of Operation
65260	237	Vehicle Identification Number
65262	110	Engine Coolant Temperature
65262	175	Engine Oil Temperature 1

PGN	SPN	Description
65263	100	Engine Oil Pressure
65263	109	Engine Coolant Pressure
65263	94	Engine Fuel Delivery Pressure
65263	109	Engine Coolant Pressure
65265	-	Vehicle Speed
65266	184	Fuel Economy
65266	183	Engine Fuel Rate
65270	102	Engine Turbocharger Boost Pressure
65271	158	Battery Potential (Voltage), Switched
65271	167	Charging System Potential (Voltage)
65272	177	Transmission Oil Temperature
65272	127	Transmission Oil Pressure
65276	96	Fuel Consumption