

**PowerView™ - Model PV101-C V3.2– Parameter List**

PV101 Implementation of SAE J1939 Parameters*			
Source: SAE J1939-71 Surface Vehicle Recommended Practice			
Description	PGN	Parameter	Display Value
Elec Eng Cont #2 – EEC2	61443	Accelerator Pedal Position	THROTTLE
		Percent Load at Current RPM	LOAD@RPM
		Accelerator Pedal Switch	PEDAL SWT
Elec Eng Cont #1 – EEC1	61444	Actual Engine % Torque	ENG TORQ
		Engine Speed	ENG RPM
		Machine Hours	MACH HRS
Engine Hours, Revolutions	65253	Total Engine Hours	ENG HRS
		Total Engine Revolutions	ENG REVOLU
Fuel Consumption	65257	Trip Fuel	TRIP FUEL
		Total Fuel Used	FUEL USED
Engine Temperature	65262	Engine Coolant Temp	COOL TEMP
		Fuel Temperature	FUEL TEMP
		Engine Oil Temperature	OIL TEMP
		Engine Intercooler Temperature	INTC TEMP
Engine Fluid/Pressure	65263	Fuel Delivery Pressure	FUEL PRES
		Engine Oil Level	OIL LVL
		Engine Oil Pressure	OIL PRES
		Coolant Pressure	COOL PRES
		Coolant Level	COOL LVL
Fuel Economy	65266	Fuel Rate	FUEL RATE
		Instantaneous Fuel Economy	FUEL ECON
		Average Fuel Economy	AVG ECON
		Throttle Position	THROTTLE
Ambient Conditions	65269	Barometric Pressure	BARO PRES
		Air Inlet Temperature	AIR INTP
Inlet/Exhaust Conditions	65270	Boost Pressure	BST PRES
		Intake Manifold Temp	MANI TEMP
		Air Filter Differential Pressure	AIR DIF PR
		Exhaust Gas Temperature	EXH TEMP
		Air Inlet Pressure	INLET PSI
Fan Drive – FD	65213	Estimated Percent Fan Speed	FAN SPD
Hydraulic Pressure Governor Info-HPG	61448	Hydraulic Pressure	HYD PRS
Electronic Transmission Controller #1	61442	Output Shaft Speed	OUT SFT SP
		Input Shaft Speed	IN SFT SPD
		Torque Converter Lockup Engaged	TORQ LOCK
Electronic Transmission Controller #2	61445	Selected Gear	SLECT GEAR
		Current Gear	CURNT GEAR
Transmission Fluids	65272	Transmission Oil Pressure	TRANS PRES
		Transmission Oil Temperature	TRAN TEMP
Transmission Control 1-TC1	256	Requested Gear	REQ GEAR

PV101 Implementation of SAE J1939 Parameters\*

Source: SAE J1939-71 Surface Vehicle Recommended Practice

Description	PGN	Parameter	Display Value
Auxiliary Pressures and Temperatures	65164	Auxiliary Temperature	AUX TEMP
		Auxiliary Pressure	AUX PRES
Auxiliary Input/Output Status	65241	Auxiliary I/O #1	AUXI01
Cruise Control/Vehicle Speed	65265	Wheel Based Vehicle Speed	VEH SPD
Vehicle Electrical Power	65271	Alternator Potential	ALT VOLT
		Electrical Potential (Voltage)	SYS VOLT
		Battery Pot. Voltage (Switched)	BAT VOLT
Vehicle Distance	65248	Trip Distance	TRIP DIST
		Total Vehicle Distance	VEH DIST
Vehicle Fluids-VF	65128	Hydraulic Temperature	HYD TEMP
Dash Display-DD	65276	Fuel Level	FUEL LEVEL
Particulate Trap Control 1	64892	Particulate Trap Lamp	PT LAMP
		DPF Active Regen Status	DPF AR ST
		DPF Regeneration Inhibited	DPF INHIB
		Exhaust High Temp Lamp-	EXHT LAMP
Tank Information 1	65110	Diesel Exhaust Fluid Level	DEF LVL
		Catalyst Temperature	CAT TEMP
Aftertreatment 1 Service	64891	% Soot	% SOOT
		% Ash	% ASH
Aftertreatment 1 Outlet Gas 2	64947	Exhaust Filter Outlet Temp	EF OUT T
Aftertreatment 1 Intake Gas 2	64948	Exhaust Filter Inlet Temp	EF IN T
Electronic Engine Controller 3	64247	Engine Desired OP Speed	DES ENG SP
Ignition Timing 6	65159	Actual Engine Timing	ENG TIMING
Rudder (NMEA2000)	61709	Rudder Angle	RUD ANG
Speed (NMEA2000)	62723	Speed Through Water	H2O REF. SPD
Position, Rapid Update (NMEA2000)	63489	Latitude WGS 84	LATITUDE
		Longitude WGS 84	LONGITUDE
COG & SOG, Rapid Update (NMEA2000)	63490	Speed Over Ground	SPD OV GND
Small Craft Status (NMEA2000)	65040	Port Trim Tab	P TRIM TAB
		Starboard Trim Tab	S TRIM TAB

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