

PowerView® CAN Gages

The PowerView CAN Gages (PVCAN) are a series of intelligent gages designed to display easy-to-read information broadcast over the SAE J1939 communications. These gages are designed to be wired directly to the J1939 CAN bus without the need of another device driving them.

The PVCAN gage includes features such as a smooth stepper motor operation for the 270-degree sweep pointer, an environmentally sealed case with two Deutsch DT style connectors molded into the case and green LED backlighting.

They are available for standard 2 1/16-inch (52 mm) and 3 3/8-inch (86 mm) diameter hole sizes. In addition, its polycarbonate/polyester alloy cases incorporate a D shape allowing panel cutouts that eliminate gage rotation during installation.

All PowerView gages can be powered by 12- or 24-VDC systems.



Specifications

Power Supply Input Voltage: 12/24 V
(8-32 VDC Minimum and Maximum Voltage)

Power Supply Operating Current:
Typically 70 mA

Backlight Maximum Current: 45 mA
Input: CAN (SAE J1939)

Operating Temperatures:
-40° F to 185° F (-40° C to 85° C)

Storage Temperatures: -76° F to 185° F
(-60° C to 85° C)

Dial: White numerals over black background

Gage Accuracy: Better than ±1% of full scale

Environmentally Sealed Enclosure:
IP68: ±5PSI (±34.4kPa).

Case Material: Polycarbonate/Polyester (PC+PBT)

Clamp Material: Polyester (PBT)

Lens Material: Polycarbonate

Bezel Material: ABS

Maximum Panel Thickness:
3/8 in. (9.6 mm)

Connectors: 6-Pin Deutsch DT06 Series

Electromagnetic Compatibility:

Directive: 89/336/EEC

Directive: 2004/108/EC

European Harmonised standard:

EN 61000-6-3:2006

EN 61000-6-1:2005

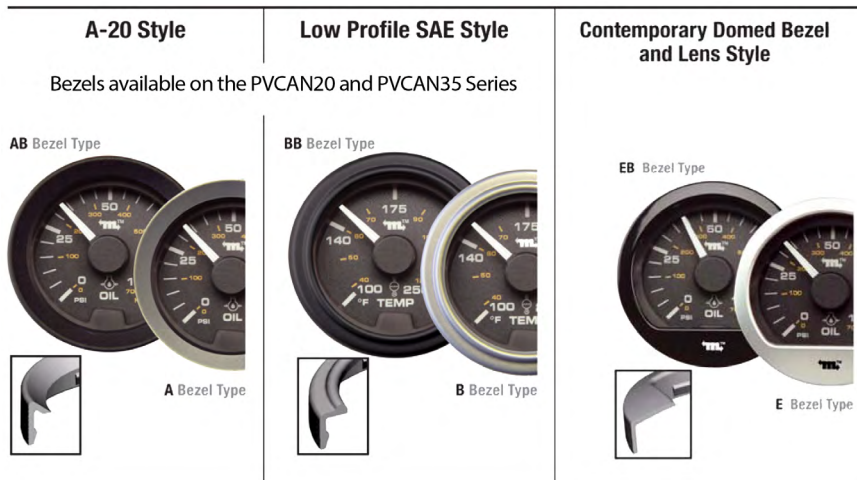
Vibrations:

Random: 7.86 Grms (5-2,000 Hz),

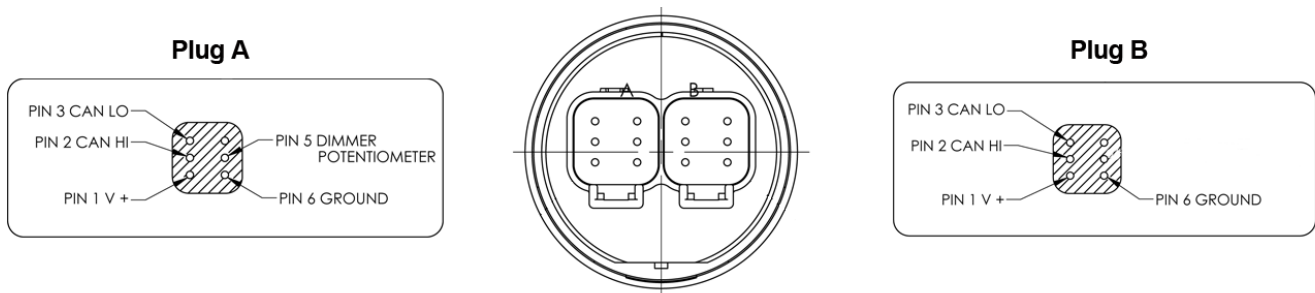
3 axes

Shock: ±50 G, 3 axes

Styles

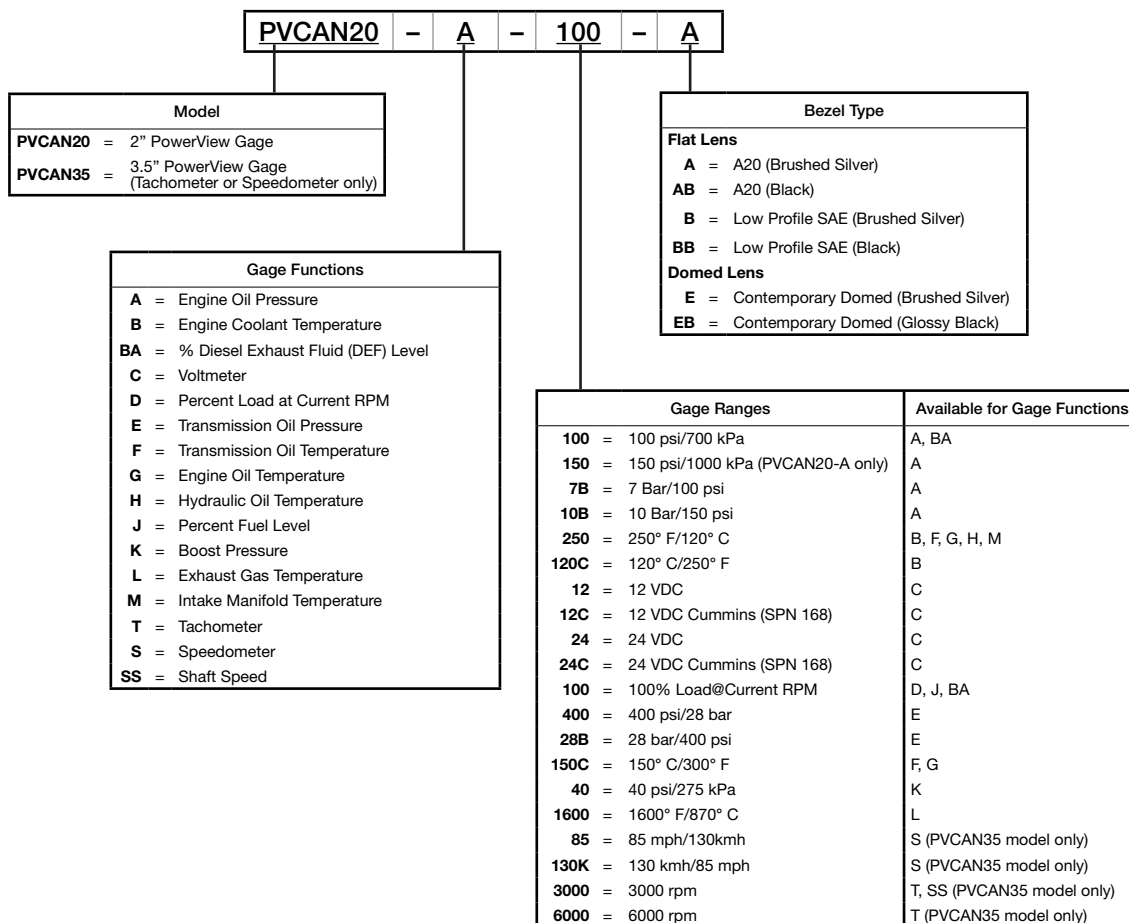


Pinout PVCAN 20 and PVCAN 30 Series



How To Order

Options listed below. All configurations may not be available. Call your sales representative or Enovation Controls for more information.



Part Number	Description	Notes
78000761	CANJR, Terminating Resistor	Accessories
78000745	CANW-J-9, 9" Jumper Harness*	
78000747	CANW-J-24, 24" Jumper Harness*	
78000124	PVW-P-12, 12" Power/CAN Harness	

*According to recommended SAE J1939 wiring practices, any device on the CAN bus should be noded into the bus with a distance of no more than 1 meter.