
PG Series CNG Automotive Pressure Gauge



Description

These are high reliability and high performance CNG pressure gauges suitable for automotive CNG kits. Available in Stainless Steel or Drawn Steel construction, these gauges boast of a visually nonintrusive clear front plastic and a

back connection. This new innovative design is equipped with dual infrared transmitters to obtain a high level of output consistency compared to other gauges available in the market.

Features

- Reliable and economical
- Back connection
- Visually nonintrusive clear front
- Measurement Range 0 to 400 bar
- RoHS compliant
- Direct replacement for AEB806 pressure gauge
- New innovative design with better output consistency

Application

- CNG Vehicles
- Retrofitment of CNG Kits
- OEM fitment of CNG Kits

Technical Specification

Nominal Outer Diameter

51 mm

Scale

0 to 400 bar

Working Pressure

Steady: $\frac{3}{4}$ of full scale value

Fluctuating: $\frac{2}{3}$ of full scale value

Short time: full scale value

Storage Temperature

-40 °C to +85 °C

Operating Temperature

-25 °C to +85 °C

PG Series: CNG Automotive Pressure Gauge

Pressure Connection

PG-MXXX Series: ¼" BSP Male Threaded Inlet, Cu Alloy

PG-SXXX Series: ¼" BSP Male Threaded Inlet, SS304

Pressure element

Material: SS 316 Bourdon Helical type

Movement

PG-MXXX Series: Nickel plated Cu Alloy

PG-SXXX Series: SS304

Dial

White aluminium, with pointer stop pin with black lettering

Pointer

Black plastic, ABS

Case

PG-MXXX Series: Drawn Steel, black painted

PG-SXXX Series: SS304, Stainless steel finish

Window

Crystal-clear plastic, Acrylic

Blow off Device

Rubber BOD

Ingress Protection

IP64

Harness

RoHS, Flame Retardant cable

Ordering Information

Shown below is ordering code chart with example: **PG-ML400V**. RoHS compliance certificate is available on request.

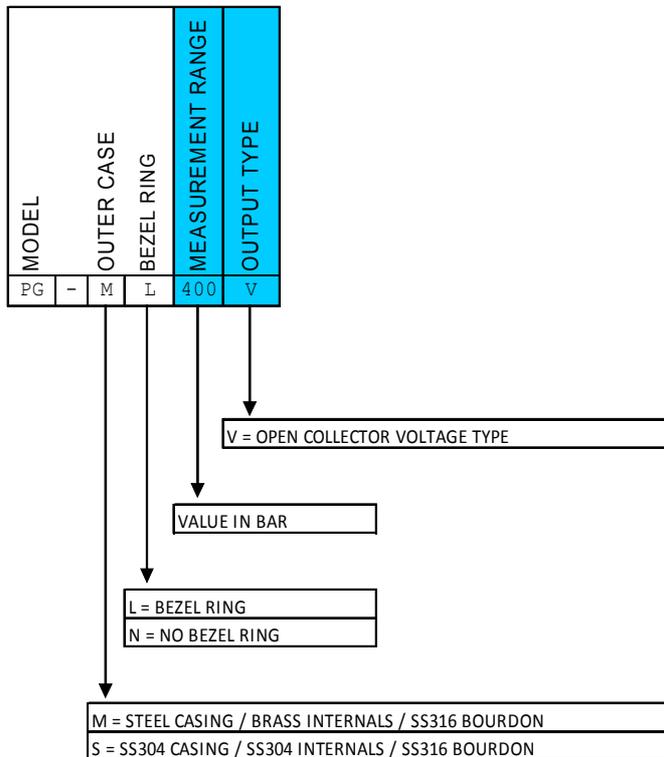
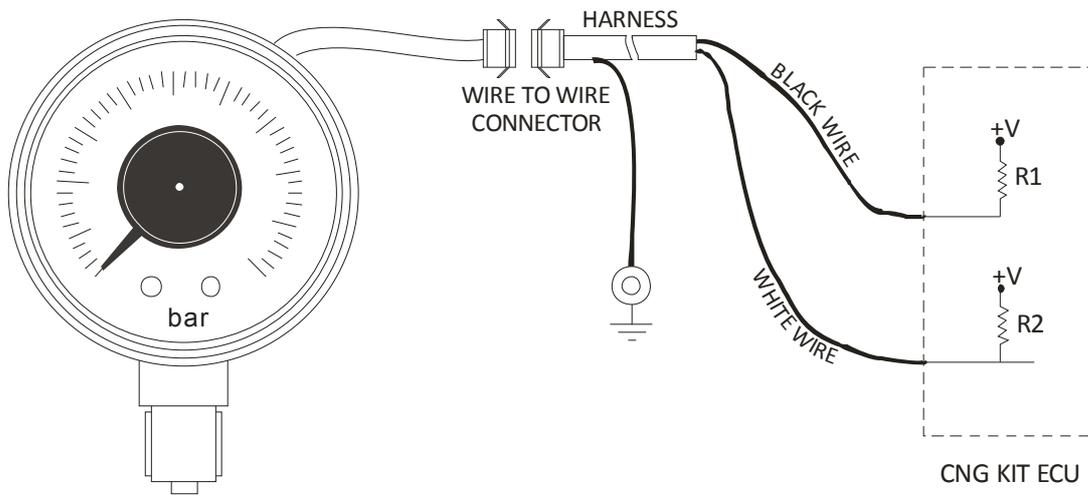


Figure 1: PG Series Ordering Information

Wiring Diagram



Symbol	Parameter	Recommended Value	Unit
+V	Power Supply Voltage	5	VDC
R1	Current Limiting Power Supply Resistor	120	Ω
R2	Signal Pull-up Resistor	10000	Ω

Connection Information:

Black Wire: Positive power supply to pressure gauge. Connect in series with external current limiting resistor.

White Wire: Open collector output signal from pressure gauge.

Black Wire with Lug: Ground. Connect as close as possible to CNG kit ECU's ground.

Mechanical Dimensions

All Dimensions are in mm unless stated otherwise.

