

IP65 Digital Pressure Gauge

Series PG2 Installation Guide



Thank You Thanks for purchasing a PG2 digital pressure gauge from us! We appreciate your business and trust. Please take a moment to familiarize yourself with the product and this manual before installation.

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1 Description

The series PG2 IP65 digital pressure gauge measures gas and liquid pressure with high accuracy at an affordable price. Its rugged weatherproof design stands up to outdoor and industrial environments. The 4-digit backlit display with four selectable units makes readings easily visible to prevent reading errors. The PG2 comes with 304L stainless steel wetted material for a wide range of compatible liquids and gases.

2 How To Read Your Label

Each label comes with a full model number, a part number, and a serial number. The model number for the PG2 will look something like this:

 SAMPLE: PG2-0200

The model number correlates with all the configurable options and tells you exactly what you have. Compare the model number to the options on the datasheet to identify your exact configuration. You can also call us with the model, part, or the serial number and we can help you.

3 Warranty

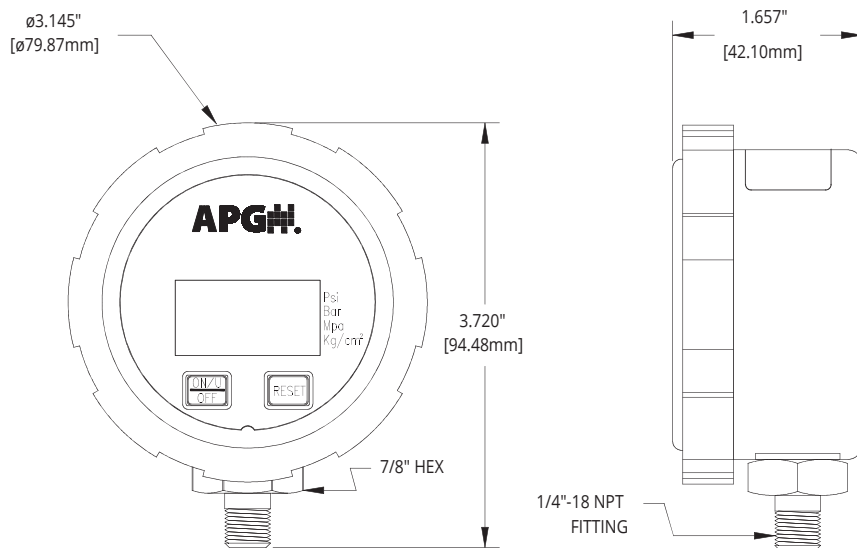
Consult factory for warranty information.

4 Mounting Instructions

Mounting your digital pressure gauge is easy if you follow a few simple steps:

- Never over-tighten the sensor. This can compress the diaphragm, changing how it reacts to pressure. In all cases, tighten the sensor as little as possible to create an adequate seal.
- Always use thread tape or sealant compound on tapered threads. Wrap thread tape in the opposite direction of the threads so it does not unravel as you screw the sensor into place. Unraveling can cause uneven distribution and seal failure.
- Always start screwing in your sensor by hand to avoid cross-threading. Thread failure can be a problem if you damage threads by over-tightening them or by crossing threads.

5 Dimensions



6 Button Functions / Operations



– On/Off/Unit Change

– Reset Zero/Backlight

On/Off/Unit Change Button:

Press to turn on gauge.

Press to cycle through units on right side of display. Press and hold for three seconds to turn off gauge.

Reset Zero/Backlight Button:

Press to turn on backlight. Backlight turns off after five seconds.

Press and hold for three seconds to re-zero display. Display will show **8.8.8.8** before resetting.

Press and hold both buttons for two to three seconds to enable or disable 10 minute gauge

auto-off function. Display will show **-on-** for auto-off enabled or **-oFF-** for disabled. **Battery**

Replacement

If the battery is low, the display will show **Lob** and turn off after 3 seconds. To replace the battery, unscrew the front plastic cover and remove the front LCD plate. Then remove the battery and replace with a new 3V lithium metal battery, making sure that the (+) and (-) polarities match.

7 General Care

Your digital pressure gauge is very low maintenance and will need little care, as long as it was installed correctly. However, in general, you should:

- Keep the gauge and the area around it generally clean.
- Avoid applications for which the gauge was not designed, such as extreme temperatures, contact with incompatible corrosive chemicals, or other damaging environments.
- Inspect the threads whenever you remove the gauge from duty or change its location.
- Avoid touching the diaphragm. Contact with the diaphragm, especially with a tool, could permanently shift the output and ruin accuracy.
- Cleaning the diaphragm or the diaphragm bore should be done with extreme care. If using a tool is required, make sure it does not touch the diaphragm.
- If air bubbles form under the plastic facing of the gauge, unscrew the plastic ring and lift the plastic facing off the gauge. The plastic film can be discarded.

i IMPORTANT: Any contact with the diaphragm can permanently damage the gauge. Use extreme caution.

i IMPORTANT: Do not re-zero display while gauge is installed. Always ensure diaphragm is exposed to atmosphere before re-zeroing.

8 Repair Information

If your pressure gauge needs repair, contact us via email, phone, or on-line chat on our website. We will issue you an RMA number with instructions.

9 Removal Instructions

Removing your PG2 from service must be done with care. It's easy to create an unsafe situation, or damage your sensor, if you are not careful to follow these guidelines:

- Make sure the pressure is completely removed from the line or vessel. Follow any and all procedures for safely isolating any media contained inside the line or vessel.
- Remove the gauge with an appropriately sized wrench (7/8" hex).
- Carefully clean the gauge's fitting and diaphragm of any debris (see General Care) and inspect for damage.
- Store your gauge in a dry place, at a temperature between -40° F and 180° F.

⚠ DANGER: Removing the pressure gauge while there is still pressure in the line or vessel could result in injury or death.