Thank You

Thanks for purchasing a PT-L pressure transducer from us! We appreciate your business and your trust. Please take a moment to familiarize yourself with the product and this manual before installation. If you have any questions, at any time, don’t hesitate to call us at 888-525-7300.

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Description
The PT-L series of pressure transmitters offers economical reliability over a wide range of pressures. The small size, integrated electronics, wide operating temperature range, and durability, make the PT-L the perfect instrument with an amplified output signal for static and dynamic pressure measurements.

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 PT-200 will look something like this:

**SAMPLE: PT-200 L1-500PSIG E51-P0**

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.

The label also includes the pinout, as does this installation guide. You’ll also find all hazardous certification information on the label.

Warranty
This product is covered by APG’s warranty to be free from defects in material and workmanship under normal use and service of the product for 24 months. For a full explanation of our Warranty, please visit [https://www.apgsensors.com/about-us/terms-conditions](https://www.apgsensors.com/about-us/terms-conditions). Contact Technical Support to receive a Return Material Authorization before shipping your product back.

Scan the QR code below to read the full explanation of our Warranty on your tablet or smartphone.

Mounting Instructions
Mounting your PT-L pressure transducer 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.

Pinout and Supply Power Tables

**PT-L Pin Out Table**

<table>
<thead>
<tr>
<th>4-20 mA</th>
<th>0/1-5/6 VDC</th>
<th>0/1-10 VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>A + Excitation + Excitation + Excitation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B - Excitation + Output + Output</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C N/C - Output - Output</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D N/C - Excitation - Excitation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E N/C N/C N/C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F N/C N/C N/C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PT-L Series Supply Power Table**

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>4-20 mA</th>
<th>0/1-5/6 VDC</th>
<th>0/1-10 VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-36 VDC</td>
<td>9.33 VDC</td>
<td>14-33 VDC</td>
<td></td>
</tr>
</tbody>
</table>

Dimensions

*Dimensions in mm*

- **4 or 6 pin Bayonet**
  - 0.55 Max
  - 0.25 Min
  - 6.4
- **4 Pin M12**
  - 0.55 Max
  - 0.25 Min
  - 4.4
- **Pigtail**
  - 0.55 Max
  - 0.25 Min
  - 4.4

PT-L Amplified Output Series User Manual

Appliances Products Group, Inc.
1025 W 1700 N Logan, UT 84321
www.apgsensors.com | phone: 888-525-7300 | email: sales@apgsensors.com

Scan the QR code below to the see the full user manual on your tablet or smartphone. Or visit www.apgsensors.com/support to find it on our website.
General Care
Your pressure transmitter is very low maintenance and will need little care, as long as it was installed correctly. However, in general, you should:

- For process connected sensors, keep the sensor and the area around it generally clean.
- Avoid applications for which the sensor was not designed, such as extreme temperatures, contact with incompatible corrosive chemicals, or other damaging environments.
- Inspect the threads whenever you remove the sensor 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.

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

- Phone: 888-525-7300
- Email: sales@apgsensors.com
- Online chat at www.apgsensors.com

Removal Instructions
Removing your PT-L transducer 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:

- For sensors installed via NPT process connection, 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 sensor with an appropriately sized wrench (per your process connection).
- Carefully clean the sensor’s fitting and diaphragm of any debris (see General Care) and inspect for damage.
- Store your sensor in a dry place, at a temperature between -40° F and 180° F.

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