Our amplified output pressure transmitters are the economical answer for all applications requiring high accuracy and reliability over a wide range of pressures. The PT-L1/L3/L10 pressure transmitters offer ranges from vacuum to 10,000 psi, all stainless steel construction, high burst pressure, and high accuracy.

**Features**

- Cost effective
- High overpressure capability
- Zero and span adjustments
- Single piece stainless steel process fitting and sensor
PT-L1/L3/L10 Specifications

**Performance**
- **Accuracy**
  - B.F.S.L. ≤ 0.25% of full scale
  - NIST up to ±0.1% available on select ranges
- **Temp Compensation Range:**
  - Up to 0º - 130ºF (-17º - 54ºC)
- **Extended Temp Compensation Ranges:** (Optional)
  - -40º - 180ºF (-40º - 82ºC)
  - 0º - 185ºF (-17º - 85ºC)

**Connectivity**
- **Output:**
  - 4-20 mA
  - 0-5 VDC
  - 1-5 VDC
  - 1-6 VDC
  - 0-10 VDC
- **Internet Connectivity:**
  - RST-5003 (4-20 mA version only)

**Electrical**
- **Supply Voltage:**
  - 4-20 mA: 10 - 36 VDC
  - 0-5 VDC: 9 - 33 VDC
  - 1-5 VDC: 9 - 33 VDC
  - 1-6 VDC: 9 - 33 VDC
  - 0-10 VDC: 14 - 33 VDC
- **Electrical Protection:**
  - Reverse polarity

**Physical**
- **Material:** 15-5, 17-4, or 316L SS

**Programming**
- **Field Calibration:**
  - Zero and Span adjust

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Rev. A4, 02/05/2019
## Common Model Configurations

### 4-20 mA Output

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Model Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-L1-C-15-PSIA-E5-5-P0-N0-M1-V0-K0-S0</td>
<td>0-15 PSI, Absolute Pressure Reference, 1/4” NPTM, 316L SS, 5 ft. cable</td>
</tr>
<tr>
<td>PT-L1-C-60-PSIA-E5-5-P0-N0-M1-V0-K0-S0</td>
<td>0-60 PSI, Absolute Pressure Reference, 1/4” NPTM, 316L SS, 5 ft. cable</td>
</tr>
<tr>
<td>PT-L1-C-5-PSIG-E5-5-P0-N0-M1-V0-K0-S0</td>
<td>0-5 PSI, Gauge Pressure Reference, 1/4” NPTM, 316L SS, 5 ft. cable</td>
</tr>
<tr>
<td>PT-L1-C-30-PSIG-E5-5-P0-N0-M1-V0-K0-S0</td>
<td>0-30 PSI, Gauge Pressure Reference, 1/4” NPTM, 316L SS, 5 ft. cable</td>
</tr>
<tr>
<td>PT-L1-C-100-PSIG-E5-5-P0-N0-M1-V0-K0-S0</td>
<td>0-100 PSI, Gauge Pressure Reference, 1/4” NPTM, 316L SS, 5 ft. cable</td>
</tr>
<tr>
<td>PT-L1-C-50-PSICG-E5-5-P0-N0-M1-V0-K0-S0</td>
<td>0-50 PSI, Compound Gauge Reference, 1/4” NPTM, 316L SS, 5 ft. cable</td>
</tr>
<tr>
<td>PT-L1-C-500-PSICG-E5-5-P0-N0-M1-V0-K0-S0</td>
<td>0-500 PSI, Compound Gauge Reference, 1/4” NPTM, 316L SS, 5 ft. cable</td>
</tr>
<tr>
<td>PT-L1-C-1000-PSIS-E5-5-P0-N0-M2-V0-K0-S0</td>
<td>0-1,000 PSI, Sealed Gauge Reference, 1/4” NPTM, 17-4 SS, 5 ft. cable</td>
</tr>
<tr>
<td>PT-L1-C-5000-PSIS-E5-5-P0-N0-M2-V0-K0-S0</td>
<td>0-5,000 PSI, Sealed Gauge Reference, 1/4” NPTM, 17-4 SS, 5 ft. cable</td>
</tr>
<tr>
<td>PT-L1-C-10000-PSIS-E5-5-P0-N0-M2-V0-K0-S0</td>
<td>0-10,000 PSI, Sealed Gauge Reference, 1/4” NPTM, 17-4 SS, 5 ft. cable</td>
</tr>
</tbody>
</table>

### Accessories

Please order separately, by part number.

<table>
<thead>
<tr>
<th>Mating Connector</th>
<th>Part Number</th>
<th>Cable in Feet</th>
<th>Part Number Suffix</th>
<th>Cable Lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-pin bayonet mating connector (E3)</td>
<td>509010</td>
<td>-10xx</td>
<td>-20xx</td>
<td>02, 05, 10, 25</td>
</tr>
<tr>
<td>4-pin female (M12) mating connector (E4)*</td>
<td>--</td>
<td>135407-000x</td>
<td></td>
<td>2 meters, 5 meters</td>
</tr>
<tr>
<td>6-pin circular mating connector (E1)</td>
<td>509110</td>
<td>-10xx</td>
<td>-20xx</td>
<td>02, 05, 10, 25</td>
</tr>
<tr>
<td>6-pin bayonet mating connector (E17)</td>
<td>509165</td>
<td>-10xx</td>
<td>-20xx</td>
<td>02, 05, 10, 25</td>
</tr>
</tbody>
</table>

*Note: 4-pin female (M12) must be ordered with 2 or 5 meters of cable. It is not available as mating connector only.
Model Configuration Options


A. Operation
- □ L1 4-20 mA
- □ L3 0-5 VDC
- □ L10 0-10 VDC
- □ L11 1-6 VDC
- □ L12 1-5 VDC
- □ L14 1-10 VDC
- □ L12 1-5 VDC
- □ L21 1-10 VDC

B. Common Pressure Ranges - PSI*
- □ 5
- □ 50
- □ 200
- □ 1000
- □ 5000
- □ 15
- □ 60
- □ 300
- □ 2000
- □ 10000
- □ 30
- □ 100
- □ 500
- □ 3000

*Other ranges available. Please consult factory.

C. Unit of Measure
- □ PSI
- □ kPa
- □ inH
- □ bar
- □ inH2O
- □ kgcm
- □ mbar
- □ mmHg
- □ fsw

D. Pressure Type
- □ G  Gauge
- □ A  Absolute
- □ CG Compound Gauge
- □ S  Sealed
- □ V  Vac

E. Electrical Connection
Mating connector sold separately
- □ E1  6-pin circular
- □ E3  4-pin bayonet
- □ E4  4-pin M12 Micro connector
- □ E5  Pigtail with cable (specify length below)
- □ E17 6-pin bayonet

F. Electrical Cable Length
- □  Number represents cable length, in 5-foot increments, included on E5 pigtail option above.
  (ex. E5-10 represents pigtail with 10 ft. cable)

Note: ▲ Indicates this option is standard.

G. Process Connection
- □ P0 ▲ 1/4-18 NPTM
- □ P4  7/16 SAE male
- □ P14 1/8-27 NPTM
- □ P0 1/4-18 NPTM
- □ P16 PT 1/4 (BSPP) male
- □ P4 7/16 SAE male
- □ P14 1/8-27 NPTM
- □ P22 G3/8 (3/8 BSPP) male
- □ P0 1/4-18 NPTF
- □ P23 G1/2 (1/2 BSPP) male
- □ P7 7/16-20 SAE male
- □ P30 High Pressure Sno Trik (M-250C, Autoclave male)
- □ P14 1/8-27 NPTM
- □ P54 7/16-20 UNJF-3A male
  w/ cone

H. Accuracy
- □ N0 ▲ ±0.25%
- □ N1* ±0.25% with NIST certification
- □ N2 ±0.1% with NIST certification

*Note: ±0.25% available at 10,000 psi for 4-20 mA output only.

10,000 PSI
- □ N12 ±0.5%
- □ N13 ±0.5% with NIST certification

I. Materials
- □ M0  15-5 SS (≥ 1k psi)
- □ M1 ▲ 316L SS (up to 5k psi)
- □ M2  17-4 SS (≥ 1k psi)
- □ M1  316L SS (up to 5k psi)

J. Vibration
- □ V0 ▲ Standard
- □ V1 High (not available with K0)

K. Can Assembly Connections

Can - Elec Conn. | Can - Process Conn. | E Options
---|---|---
- □ K0 ▲ Knurl | Loc-Tite | E1 - E5
- □ K1 Tamper Resist* | Loc-Tite | E1 - E5
- □ K2 Tamper Resist* | Weld | E1 - E5
- □ K3 Weld | Weld | E3, E17

* Tamper Resist: Smooth Nut with Loc-Tite

L. Temperature
- □ S0 ▲ Standard: 0º - 130ºF (-17º - 54ºC)
- □ S1 Extended: -40º - 180ºF (-40º - 82ºC)
- □ S4 Extended: 0º - 185ºF (-17º - 85ºC)