

Millivolt-per-Volt Output Pressure Transducer Series: PT-L9/L13/L14



Our millivolt output transducers are the economical answer for all general purpose measurements where a cost-effective, high reliability unit is required. The PT-L9/L13/L14 pressure transducers offer ranges from vacuum to 10,000 psi, single piece stainless steel construction, and a tamper-resistant body design.

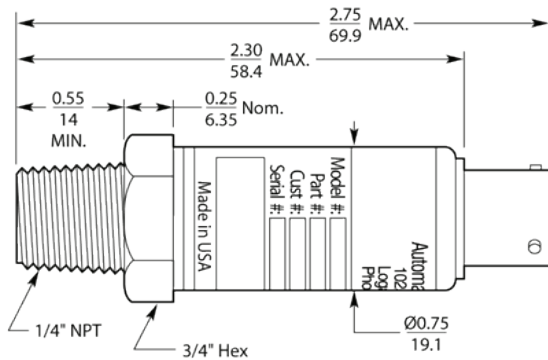
Features

- Cost effective
- Optional extended temperature compensation
- Stainless steel process fitting and sensor

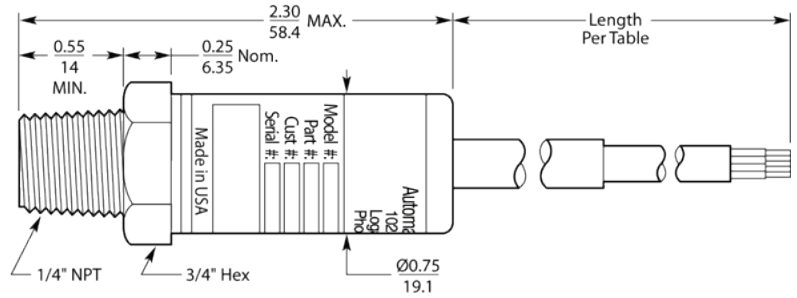


PT-L9/L13/L14 Specifications

4 PIN Bayonet



Pigtail



Performance

- Accuracy
 - B.F.S.L. $\leq 0.25\%$ of full scale
 - NIST up to $\pm 0.1\%$ available on select ranges
- Temp Compensation Range: (Standard)
 - Up to $0^\circ - 130^\circ\text{F}$ ($-17^\circ - 54^\circ\text{C}$)
- Extended Temp Compensation Range: (Optional)
 - Up to $-40^\circ - 250^\circ\text{F}$ ($-40^\circ - 121^\circ\text{C}$)

Connectivity

- Output:
 - L9: $10 \text{ mV/V} \pm 2\%$
 - L13: $3 \text{ mV/V} \pm 2\%$
 - L14: $5 \text{ mV/V} \pm 2\%$

Electrical

- Supply Voltage:
 - All Models calibrated for 10VDC input
- Electrical Protection:
 - Reverse polarity

Physical

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

Programming

- Field Calibration:
 - No field adjustments available

Common Model Configurations

10 mV/V Output

Model Number	Model Description
PT-L9-C-15-PSIA-E5-5-P0-N0-M1-V0-S0	0-15 PSI, Absolute Pressure Reference, 1/4" NPTM, 316L SS, 5 ft. cable
PT-L9-C-5-PSIG-E5-5-P0-N0-M1-V0-S0	0-5 PSI, Gauge Pressure Reference, 1/4" NPTM, 316L SS, 5 ft. cable
PT-L9-C-15-PSIG-E5-5-P0-N0-M1-V0-S0	0-15 PSI, Gauge Pressure Reference, 1/4" NPTM, 316L SS, 5 ft. cable
PT-L9-C-30-PSIG-E5-5-P0-N0-M1-V0-S0	0-30 PSI, Gauge Pressure Reference, 1/4" NPTM, 316L SS, 5 ft. cable
PT-L9-C-50-PSIG-E5-5-P0-N0-M1-V0-S0	0-50 PSI, Gauge Pressure Reference, 1/4" NPTM, 316L SS, 5 ft. cable
PT-L9-C-100-PSIG-E5-5-P0-N0-M1-V0-S0	0-100 PSI, Gauge Pressure Reference, 1/4" NPTM, 316L SS, 5 ft. cable
PT-L9-C-200-PSIG-E5-5-P0-N0-M1-V0-S0	0-200 PSI, Gauge Pressure Reference, 1/4" NPTM, 316L SS, 5 ft. cable
PT-L9-C-300-PSIG-E5-5-P0-N0-M1-V0-S0	0-300 PSI, Gauge Pressure Reference, 1/4" NPTM, 316L SS, 5 ft. cable
PT-L9-C-500-PSIG-E5-5-P0-N0-M1-V0-S0	0-500 PSI, Gauge Pressure Reference, 1/4" NPTM, 316L SS, 5 ft. cable
PT-L9-C-1000-PSIS-E5-5-P0-N0-M2-V0-S0	0-1,000 PSI, Sealed Gauge Reference, 1/4" NPTM, 17-4 SS, 5 ft. cable
PT-L9-C-5000-PSIS-E5-5-P0-N0-M2-V0-S0	0-5,000 PSI, Sealed Gauge Reference, 1/4" NPTM, 17-4 SS, 5 ft. cable
PT-L9-C-10000-PSIS-E5-5-P0-N0-M2-V0-S0	0-10,000 PSI, Sealed Gauge Reference, 1/4" NPTM, 17-4 SS, 5 ft. cable

Accessories

Please order separately, by part number.

Description	Part Number
4-pin bayonet mating connector (E3)	509010
4-pin bayonet mating connector (E3) with cable	509010-00XX*

*To order a 4-pin bayonet mating connector with cable, you will need to specify the cable length by adding "00XX" to the part number (X=cable length).

- Specify cable: 2, 5, 10 or 25 ft

Example: 509010-0025 = 4-pin bayonet mating connector with 25 feet of cable

Model Configuration Options



Model Number: PT- - C - - - - - - - - - - - -

A B C D E F G H I J K

A. Operation

- L9** 10 mV/V output
- L13** 3 mV/V output
- L14** 5 mV/V output

B. Common Pressure Ranges - PSI*

- | | | | |
|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|
| <input type="checkbox"/> 5 | <input type="checkbox"/> 50 | <input type="checkbox"/> 500 | <input type="checkbox"/> 5000 |
| <input type="checkbox"/> 15 | <input type="checkbox"/> 100 | <input type="checkbox"/> 1000 | <input type="checkbox"/> 10000 |
| <input type="checkbox"/> 30 | <input type="checkbox"/> 300 | <input type="checkbox"/> 3000 | |

*Other ranges available. Please consult factory.

C. Unit of Measure

<input type="checkbox"/> PSI [▲]	<input type="checkbox"/> kPa	<input type="checkbox"/> inHg
<input type="checkbox"/> bar	<input type="checkbox"/> inH₂O	<input type="checkbox"/> kgcm²
<input type="checkbox"/> mbar	<input type="checkbox"/> mmHg	<input type="checkbox"/> fsw

D. Pressure Type

- | | |
|---|--|
| <input type="checkbox"/> G Gauge | <input type="checkbox"/> A Absolute |
| <input type="checkbox"/> CG Compound Gauge | <input type="checkbox"/> S Sealed |
| <input type="checkbox"/> V Vac | |

E. Electrical Connection

Mating connector sold separately

- E3** 4-pin bayonet
- E5**[▲] Pigtail with cable (specify length below)

F. Electrical Cable Length

- Number represents cable length, in 5-ft increments, included on E5 option. (ex. E5-10 represents pigtail with 10 ft cable)

G. Process Connection

- | | |
|---|---|
| <input type="checkbox"/> P0 [▲] 1/4-18 NPTM | <input type="checkbox"/> P22 G3/8 (3/8 BSPP) male |
| <input type="checkbox"/> P5 1/4-18 NPTF | <input type="checkbox"/> P23 G1/2 (1/2 BSPP) male |
| <input type="checkbox"/> P7 7/16-20 SAE male | <input type="checkbox"/> P30 High Pressure Sno Trik (M-250C, Autoclave male) |
| <input type="checkbox"/> P16 PT 1/4 (BSPP) male | <input type="checkbox"/> P54 7/16-20 UNJF-3A male w/ cone |

H. Accuracy

1-5,000 PSI

- N0**[▲] ±0.25%
- N1** ±0.25% with NIST certification
- N2** ±0.1% with NIST certification

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)

J. Vibration

- V0**[▲] Standard
- V1** High (not available with K0)

K. Temperature

- S0**[▲] Standard: 0° - 130°F (-17° - 54°C)
- S1** Extended: -40° - 180°F (-40° - 82°C)
- S2** Extended: -40° - 250°F (-40° - 121°C)
- S4** Extended: 0° - 185°F (-17° - 85°C)

Note: [▲] Indicates this option is standard.