

PT-L9-L13-L14



Flexible by Design

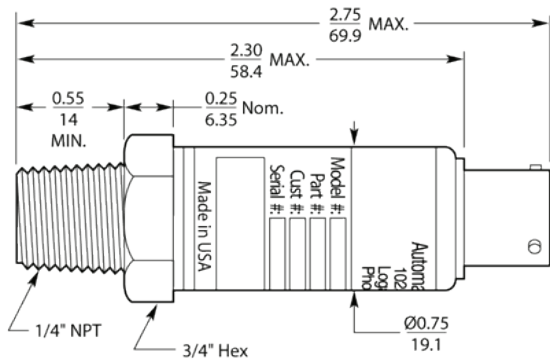
Our millivolt output transducers are the economical answer for all general purpose measurements where a cost-effective, high reliability unit is required. The PT-L9/L13/L14 pressure transducers offer ranges from vacuum to 10,000 psi, single piece stainless steel construction, and a tamper-resistant body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

Features

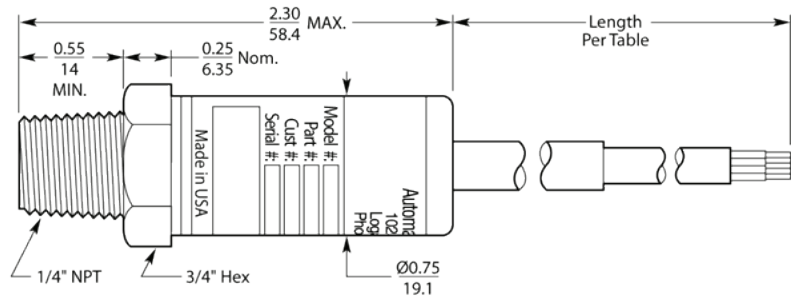
- Cost effective
- Optional extended temperature compensation
- Stainless steel process fitting and sensor

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 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 $-40^\circ - 250^\circ\text{F}$ ($-40^\circ - 121^\circ\text{C}$)
- Zero balance adjust: $\pm 2\%$ of full scale

Electrical

- Input Impedance:
1200 minimum
- Output Impedance:
Approx. 1000Ω

Physical

- Material: 15-5 or 316L SS

Connectivity

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

Environmental

- Operating Temperature:
 $-40^\circ - 180^\circ\text{F}$ ($-40^\circ - 82^\circ\text{C}$)

Options

PT- - C - - - - - - - - - - - -

A B C D E F G H I J K L

A. Operation

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

B. Common Pressure Ranges - PSI*

- 5**
- 50**
- 500**
- 5000**
- 15**
- 100**
- 1000**
- 10000**
- 30**
- 300**
- 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

- G** Gauge
- A** Absolute
- CG** Compound Gauge
- S** Sealed
- 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

- P0**[▲] 1/4-18 NPTM
- P22** G3/8 (3/8 BSPP) male
- P2** 1 1/2 sanitary
- P23** G1/2 (1/2 BSPP) male
- P5** 1/4-18 NPTF
- P26** 7/16-20 UNF male w/ cone
- P7** 7/16-20 SAE male
- P30** High Pressure Sno Trik (M-250C, Autoclave male)
- P16** PT 1/4 (BSPP) male

H. Accuracy

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

I. Materials

- M0** 15-5 SS
- M1**[▲] 316L SS
- M2** 17-4 SS

J. Vibration

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

K. Can Assembly

- K0**[▲] Knurl
- K1** Tamper resistant with Loc-Tite
- K2** Tamper resistant with weld
- K3** Weld can to fitting and connector

L. 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)

Note: [▲] Indicates this option is standard.

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