

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



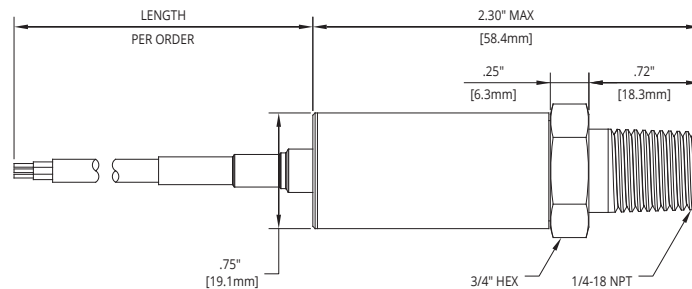
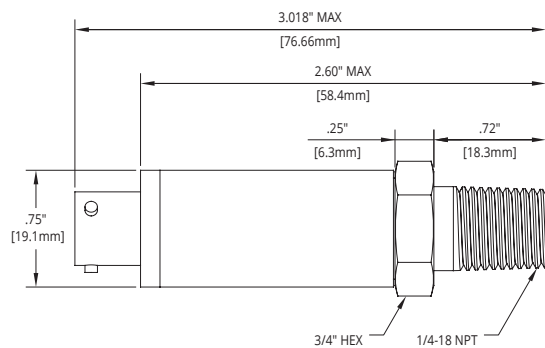
Our millivolt output transducers are the economical answer for all general purpose measurements where a cost-effective, high reliability unit is required. The PT-L9/L13/L14 pressure transducers offer ranges from vacuum to 10,000 psi, single piece stainless steel construction, and a tamper-resistant body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

Features

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



PT-L9/L13/L14 Specifications



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, Standard Temperature Range

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.

Mating Connector	Part Number	Cable in Feet Part Number Suffix
4-pin bayonet mating connector (E3)	509010	-20xx
6-pin bayonet mating connector (E17)	509165	-20xx
xx = 02, 05, 10, or 25		

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*

- | | | | |
|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|
| ☐ 5 | ☐ 50 | ☐ 500 | ☐ 5000 |
| ☐ 15 | ☐ 100 | ☐ 1000 | ☐ 10000 |
| ☐ 30 | ☐ 300 | ☐ 3000 | |

*Other ranges available. Please consult factory.

C. Unit of Measure

☐ PSI ▲	☐ kPa	☐ inHg
☐ bar	☐ inH₂O	☐ kgcm²
☐ mbar	☐ mmHg	☐ 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)
- ☐ **E17** 6-pin bayonet

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 |
| ☐ P5 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) |
| ☐ P16 PT 1/4 (BSPP) male | ☐ 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.