

Millivolt-per-Volt Output Pressure Transducer

Series: PT-L9/L13/L14



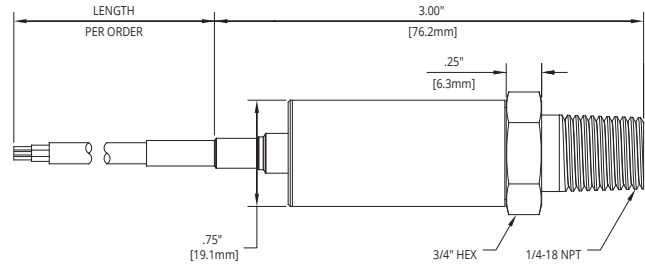
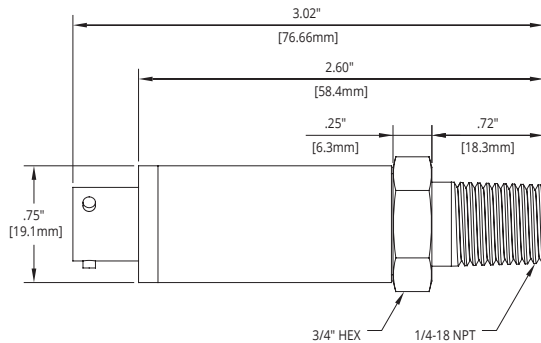
Our millivolt output transducers are the economical answer for all general purpose measurements where a cost-effective, high reliability unit is required. The PT-L9/L13/L14 pressure transducers offer ranges up to 10,000 psi, single piece stainless steel construction, and a tamper-resistant body design.

Features

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

PT-L9/L13/L14 Specifications

All dimensions are only approximate. For application-specific inquiries, please contact our application specialists. Drawings not intended for replication.



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 $-40^{\circ} - 250^{\circ}\text{F}$ ($-40^{\circ} - 121^{\circ}\text{C}$)
- No Temperature Specification for ≤ 5 psi

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-S11 | 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 | | |

