

PT-L1/L3/L10 Amplified Output Pressure Transmitters

■ Option Tables

Operation Table

| | |
|-----|-----------------|
| L1 | 4-20 mA output |
| L3 | 0-5 VDC output |
| L10 | 0-10 VDC output |
| L11 | 1-6 VDC output |
| L12 | 1-5 VDC output |

Unit of Measure Table

There are 9 choices available:

| | |
|-------|-------------------|
| psi | mmHg |
| bar | inHg |
| mbar | kgcm ² |
| kPa | fsw |
| inH2O | |

Other units of measure available.

Electrical Connection Table

- Connector Option: 6 pin circular R04-R6M or equivalent (optional);
Mating Connector (not included): 6 pin circular R04-J6F or equivalent
- Connector Option: 4 pin bayonet PT1H-8-4P or equivalent (standard);
Mating Connector (not included): 4 pin bayonet PT06A-8-4S (SR) or equivalent
- Connector Option: 4 pin M12 micro connector or equivalent;
Mating Connector (not included): 4 pin female micro connector (M12) or equivalent
- Pigtail with cable (2 ft. standard)
- 6-pin bayonet PT02E 10-6P (mating connector not included), Requires K4 can assembly

Electrical Cable Length Table

| |
|-----------------|
| Cable Length |
| 0 ft. |
| 2 ft. (0.6 m) |
| 5 ft. (1.5 m) |
| 10 ft. (3 m) |
| 25 ft. (7.6 m) |
| 50 ft. (15.2 m) |

Process Connection Table

- 1/4-18 NPTM
- 1 1/2 in. sanitary
- Flush mount 7/16-SAE male
- 1/4-18 NPTF
- 7/16-20 SAE male
- 1/8-27 NPTM
- PT 1/4 (BSPM 1/4)
- G3/8 (3/8 BSPP) male
- G1/2 (BSPP 1/2) male
- 7/16-20 UNF male with cone
- High pressure Sno Trik (M-250C, Autoclave male)

Other options available.

Accuracy (see Linear Accuracy Chart for details)

- ±0.25%
- ±0.25% with NIST certification
- ±0.1% with NIST certification (selected ranges)
- ±1% or better
- ±1% or better with NIST certification
- ±0.5% (standard on ranges greater than 5000 psi; voltage output only)
- ±0.5% with NIST certification

Materials

- 15-5 SS
- 316L SS or 316L/Hastelloy®
- Hastelloy® (minimum quantities required)

Vibration

- Standard
- High (requires K1 can assembly)

Can Assembly

- Knurl
- Tamper resistant with Loc-Tite
- Tamper resistant with weld
- Weld can to fitting and connector

Temperature

- Standard
- Extended

Pressure Type Table

- Gauge
- Compound gauge
- Vac
- Absolute
- Sealed

Linear Accuracy Chart

| Full Scale PSI | Standard | |
|------------------------------|-----------------|--|
| | Linear Accuracy | |
| ≥ 15 but < 30 | 0.25% | |
| ≥ 30 but < 7000 | 0.25% | |
| ≥ 7000 but < 10000 | 0.25% | |
| > 5000 (voltage output only) | 0.5% | |

Note: This table refers to linear accuracy for standard fittings and specific ranges.

Accessories

Please order separately, by part number.

Description

- | | |
|---------------------------------|---|
| 4-pin bayonet mating connector | A |
| 4-pin female connector | B |
| 6-pin circular mating connector | C |
| 6-pin bayonet mating connector | D |

*To order a connector with cable, you will need to specify the operation and cable length by adding Specify cable: 2, 5, 10, 25 or 50 ft.
Example: 509010-1025 has 4/20 mA output with 25 ft. cable