

# 0.5% Industrial Pressure Transmitter Series PT-200



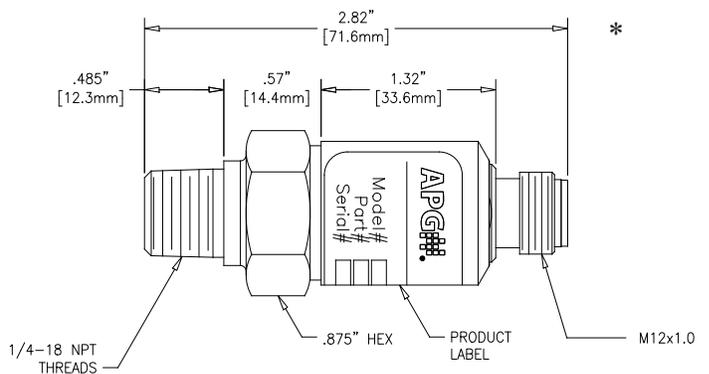
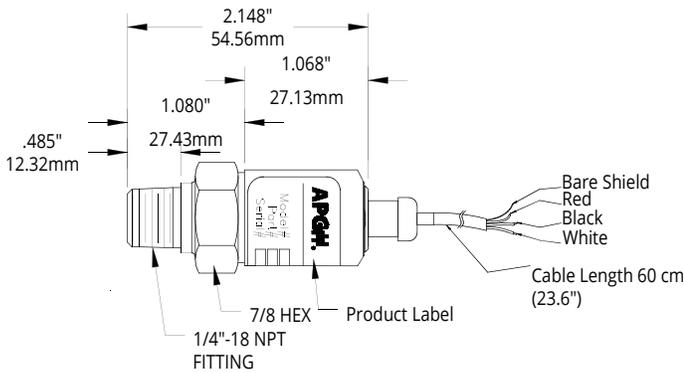
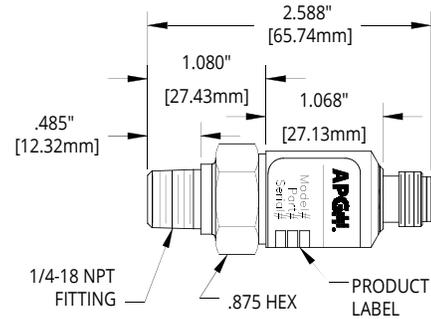
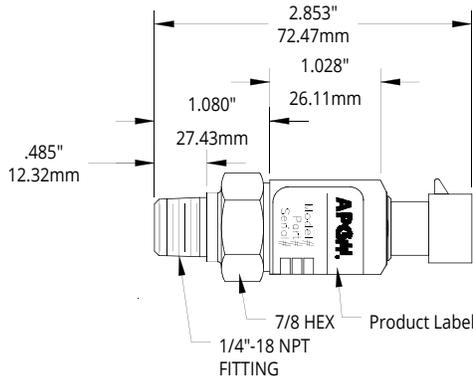
Series PT-200 0.5% Industrial Pressure Transmitters are rugged, general purpose sensors that offer reliable and accurate measurements under harsh conditions. The sensor fitting is machined from a solid piece of 17-4PH SS to provide stable operation when subjected to shock and vibration. PT-200s also incorporate digital compensation and temperature correction for high accuracy and stability.

## Features

- Cost effective
- High overpressure capability
- Single piece stainless steel process fitting and sensor
- Choice of three common electrical connections



# PT-200 Specifications



## Performance

### Accuracy

±0.5% BFSL

### Thermal Shift Stability

Zero: ±0.01% FSO/°C (±0.02% FSO/°F) or ±1.5% FS\*

Span: ±0.02% FSO/°C (±0.04% FSO/°F) or ±2% FS\*

### Long-Term Stability

< ±0.5% FSO/year or < ±0.25% FS/year\*

### Proof Pressure: 2x full scale

### Burst Pressure: 3.5x full scale or 3x full scale\*

Note: \*This option refers to M12 connectors with 100 psi and 150 psi units only

## Electrical

**Supply Voltage:** 9 - 32 VDC

**Loop Resistance:** < 100 Ω

**Current Draw:** < 30 mA

## Physical

**Wetted Materials:** 17-4PH SS

**Housing Materials:** 304 SS

**Process Connection:** 1/4" - 18 Male NPT

## Environmental

**Operating Temp:** -10° to 100°C (14° to 212°F)

or -10° to 85°C (14° to 185°F)\*

**Compensated Temp:** 0° to 85°C (32° to 185°F)

or 0° to 70°C (32° to 158°F)\*

**Storage Temp:** -20 to 125°C (-4 to 257°F)

**Enclosure Protection:** IP65

# Common Model Configurations

## 4-20 mA Output, 1/4" Male NPT, 17-4PH SS

Model Number	Model Description
PT-200-L1-100PSIG-E5-P0	<b>0-100 PSI</b> , Gauge Pressure Reference, <b>2 ft. (60 cm) cable</b>
PT-200-L1-250PSIG-E5-P0	<b>0-250 PSI</b> , Gauge Pressure Reference, <b>2 ft. (60 cm) cable</b>
PT-200-L1-500PSIG-E5-P0	<b>0-500 PSI</b> , Gauge Pressure Reference, <b>2 ft. (60 cm) cable</b>
PT-200-L1-1000PSIG-E5-P0	<b>0-1,000 PSI</b> , Gauge Pressure Reference, <b>2 ft. (60 cm) cable</b>
PT-200-L1-2500PSIG-E5-P0	<b>0-2,500 PSI</b> , Gauge Pressure Reference, <b>2 ft. (60 cm) cable</b>
PT-200-L1-5000PSIG-E5-P0	<b>0-5,000 PSI</b> , Gauge Pressure Reference, <b>2 ft. (60 cm) cable</b>
PT-200-L1-10000PSIG-E5-P0	<b>0-10,000 PSI</b> , Gauge Pressure Reference, <b>2 ft. (60 cm) cable</b>
PT-200-L1-100PSIG-E51-P0	<b>0-100 PSI</b> , Gauge Pressure Reference, <b>Packard Connector</b>
PT-200-L1-250PSIG-E51-P0	<b>0-250 PSI</b> , Gauge Pressure Reference, <b>Packard Connector</b>
PT-200-L1-500PSIG-E51-P0	<b>0-500 PSI</b> , Gauge Pressure Reference, <b>Packard Connector</b>
PT-200-L1-1000PSIG-E51-P0	<b>0-1,000 PSI</b> , Gauge Pressure Reference, <b>Packard Connector</b>
PT-200-L1-2500PSIG-E51-P0	<b>0-2,500 PSI</b> , Gauge Pressure Reference, <b>Packard Connector</b>
PT-200-L1-5000PSIG-E51-P0	<b>0-5,000 PSI</b> , Gauge Pressure Reference, <b>Packard Connector</b>
PT-200-L1-10000PSIG-E51-P0	<b>0-10,000 PSI</b> , Gauge Pressure Reference, <b>Packard Connector</b>

## Accessories

Please order separately, by part number.

Description	Part Number
3-pin Packard Connector with 3 ft. Cable	122991-0008
3-pin Packard Connector with 9 ft. Cable	122991-0009
3-pin Packard Connector with 18 ft. Cable	122991-0010

# Model Configuration Options



Model Number: PT-200 -      -            -      -       
                                  A    B    C        D    E

## A. Output

**L1** 4-20 mA

## B. Common Pressure Ranges

- 100**     **250**     **500**     **2500**     **10000**  
 **200**     **300**     **1000**     **5000**

## C. Unit of Measure

**PSIG** Gauge

## D. Electrical Connection

- E4** M12 Connector  
 **E5** Pigtail with 2 ft. (60 cm) of cable  
 **E51** Packard Connector

## E. Process Connection

**P0** 1/4"-18 Male NPT