



## PT4195 Series



### Features

- Adjustable zero and span
- Oil fill meets FDA requirements
- Accuracy better than  $\pm 0.5\%$
- DyMax™ coated convoluted SST wetted parts
- 0 - 5 Vdc output
- Internal 80% shunt calibration

### Benefits

- Easily adapt transmitter to process conditions
- Ideal for medical and food extrusion
- Repeatable, reliable pressure measurements
- Superior abrasion resistance
- Direct input to supervisory control systems
- Easy to set up

### Description

The PT4195 Series transmitter is a  $\pm 0.5\%$  sensor ideal for food or medical applications requiring simple installation, repeatability and reliability. The food grade oil fill material meets FDA requirements 21 CFR 178.3620, 21 CFR 172.878 and 21 CFR 573.680. The PT4195 transmitters provide the industry standard 0 - 5 Vdc amplified signal designed to work with DCS and PLCs. Optional thermocouple or RTD configurations are available to provide melt temperature. The PT4195 features a 1/2-20 UNF thread for simple and easy installation in standard transducer mounting holes.

### Specifications

#### PERFORMANCE CHARACTERISTICS

**Output:** 0 - 5 Vdc  
**Input Voltage:** 11 - 36 Vdc  
**Accuracy:**  $\pm 0.5\%$  FSO\*  
**Repeatability:**  $\pm 0.2\%$  FSO  
**Configuration:** Four-arm bonded foil Wheatstone bridge strain gage  
**Load Resistance:** 2,000 Ohms minimum  
**Over Pressure:**  $\geq 2 \times$  FSO  
**Zero Balance Adjustment Range:**  $\pm 15\%$   
**Span Balance Adjustment Range:**  $\pm 15\%$   
**Internal Shunt Calibration (R-Cal):** 80% FSO  $\pm 0.5\%$

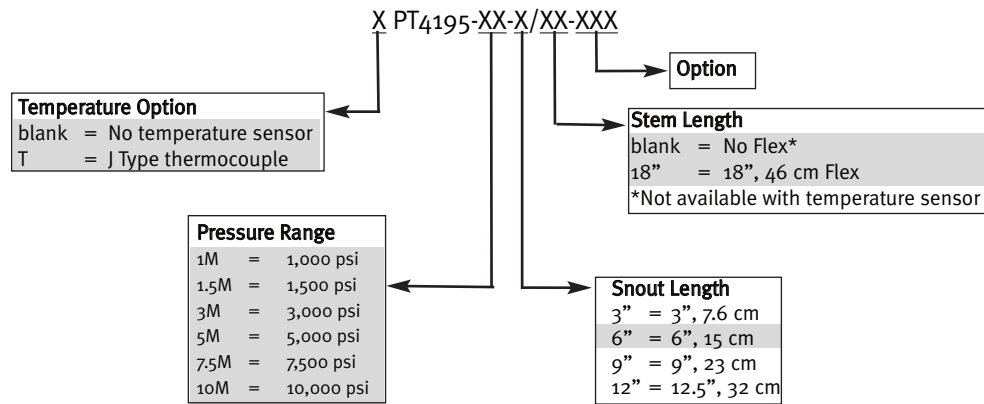
#### TEMPERATURE & MECHANICAL CHARACTERISTICS

**Max Diaphragm Temperature:** 527°F (275°C)  
**Zero Shift (due to temperature change):**  
 36 psi/100°F Typical (65 psi/100°C)  
**Electronics Operating Temperature:**  
 -20°F to 185°F (-25°C to 85°C)  
**Zero Shift Due to Temperature Change:**  
 $\pm 0.05\%$  FS/°F max ( $\pm 0.10\%$  FS/°C max)  
**Span Shift Due to Temperature Change:**  
 $\pm 0.02\%$  FS/°F max ( $\pm 0.04\%$  FS/°C max)  
**Mounting Torque:** 500 inch/lbs. maximum  
**Standard Wetted Parts:** DyMax™ coated 15-5 PH SST

\*The organic oil fill may be susceptible to gas generation at high temperatures for extended periods which may affect zero value (and therefore accuracy). Request the product manual for a full explanation and recommended procedure to eliminate any observed offset.

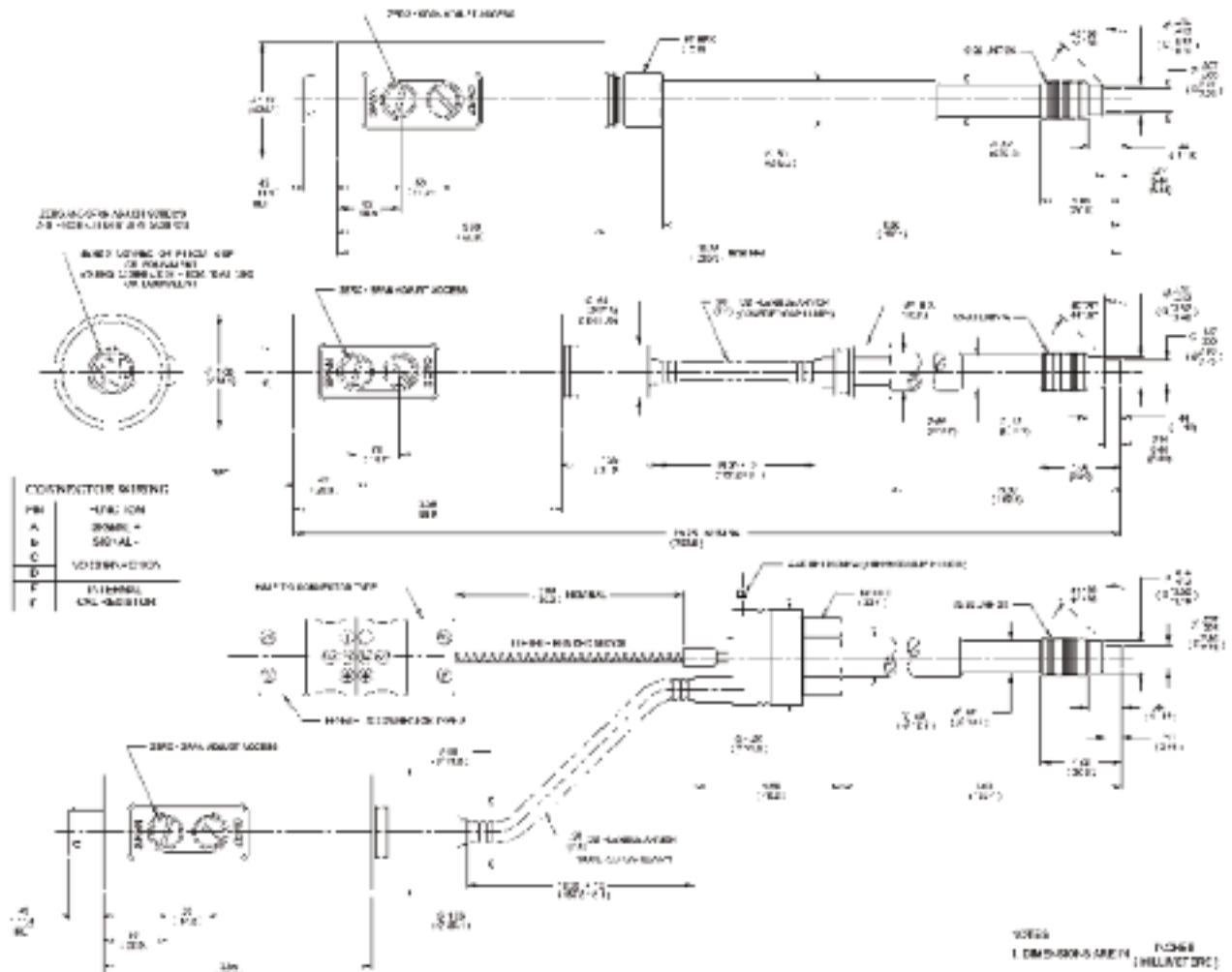


## Ordering Guide



Standard mating connector Dynisco P/N 711600 or 6-pin mating cable assembly.

Shaded sections refer to standard configurations. Accuracy may be affected if non-standard configurations are used. For additional options please consult factory.



All dimensions are inches (mm).