PT467XL

The Classic Melt Pressure Transducer for Space Restricted Areas

Description

Dynisco model PT467XL is similar to the PT462E yet features a 0.06” diameter exposed capillary. This allows 1/16” radius bends in applications where mounting space is limited. It also has a free-spinning jam nut that simplifies installation.

Features

- Better than ±0.5% accuracy
- 3.33 mV/V FSO
- Internal 80% shunt calibration
- All stainless steel wetted parts
- 0 - 500 to 0 - 30,000 psi
- Good stability and repeatability
- Exposed, bendable capillary
### Performance Characteristics

<table>
<thead>
<tr>
<th>Ranges (psi):</th>
<th>0 - 500, 0 - 750, 0 - 1,000, 0 - 1,500, 0 - 3,000, 0 - 5,000, 0 - 7,500, 0 - 10,000, 0 - 15,000, 0 - 20,000, 0 - 30,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy:</td>
<td>0.5% FSO</td>
</tr>
<tr>
<td>Repeatability:</td>
<td>±0.2% FSO</td>
</tr>
<tr>
<td>Mounting Torque:</td>
<td>500 inch - lbs. maximum</td>
</tr>
<tr>
<td>Maximum Pressure:</td>
<td>2 x full range or 35,000 psi (whichever is less)</td>
</tr>
<tr>
<td>Material in Contact with Pressure Media:</td>
<td>15 - 5 PH stainless steel, Dymax® coated</td>
</tr>
<tr>
<td>Weight:</td>
<td>1.5 lbs.</td>
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</tbody>
</table>

### Temperature Characteristics

#### Transducer Diaphragm:
- **Maximum Diaphragm Temperature:** 750°F (400°C)
- **Zero Shift due to Temperature Change:** 25 psi/100°F maximum (45 psi/100°C)

#### Electronics Housing:
- **Maximum Temperature:** 250°F (121°C)
- **Zero Shift due to Temperature Change:** 0.05% full scale/°F maximum (0.10% full scale/°C)
- **Sensitivity Shift due to Temperature Change:** 0.02% full scale/°F maximum (0.04% full scale/°C)

### Electrical Characteristics

- **Configuration:** Four active arm bonded Wheatstone bridge strain gage
- **Bridge Resistance:** Input: 345 Ohms minimum; Output: 350 Ohms ±10%
- **Full Scale Output:** 3.33 mV/V ±2.0%
- **Zero Balance:** ±10% full scale
- **Excitation:** 10 Vdc recommended, 12 Vdc maximum
- **Internal Shunt Calibration (R-Cal):** 80% FSO ±1.0%
- **Insulation Resistance:** 1,000 megohms at 50 Vdc

### Ordering Guide for PT467XL

<table>
<thead>
<tr>
<th>PT467XL XX XX/XX</th>
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</thead>
<tbody>
<tr>
<td>Exposed Capillary</td>
</tr>
<tr>
<td>10 = 10&quot;</td>
</tr>
<tr>
<td>Flexible Armor</td>
</tr>
<tr>
<td>18 = 18&quot;</td>
</tr>
</tbody>
</table>

Standard mating connector Dynisco P/N 711600 or 6-pin mating connector cable assembly sold separately. Call for complete information on capillary length, transducer diaphragm, diaphragm and thread coating, electrical connectors and fill media.
All dimensions are in inches (millimeters) unless otherwise specified.

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Refer to www.dynisco.com for access to Operator Manual and other support documentation.

DSPT467XL
Rev: 1216

Dimensions

- Bendix Connector PT02A-10-6P or equivalent
- Mating Connector PT06A-10-6S (SR) or equivalent
- O.D. Flexible Armor
- O.D. Capillary Tube (Type 347 SST)
- 1/2-20 UNF-2A (Ext. Thd)
- Hexagon Nut (.28 (7.11) O.D. Flexible Armor)
- Ref MTG Lug (.37 (9.40))
- Bendix Connector PT06A-10-6S (SR) or equivalent
- Order Example: PT467E - 15M - 10/18

• Mating connector P/N 711600 or 6-pin cable assembly sold separately.
• Transducer Options: Call for complete information on capillary length, transducer diaphragm, diaphragm and thread coating, electrical connectors and fill media.

Delivery
Please call for specific delivery information.