THIN-FILM TRANSDUCERS FOR
GAGE, VACUUM, OR COMPOUND RANGES
RUGGED STAINLESS STEEL CONSTRUCTION

Vacuum to 20,000 psi
(1380 bar)

PX603/PX613 Series

Excellent Long-Term Stability
NEMA 4 (IP65) Cable or Connector Models
0.4% Accuracy
Thin-Film Design for High Reliability
Ideal for Liquid or Gas
Zero and Span Adjustments

SPECIFICATIONS
Excitation: 10 to 36 Vdc unregulated
Output: 1 to 5 Vdc (3 wire)
Supply Current: <3.0 mA
Insulation Resistance:
100 MΩ @ 50V
Accuracy: ±0.4% BFSL
Hysteresis: ±0.2% full scale
Repeatability: ±0.05% full scale
Stability: ±1.0%/year
Durability: 100 million cycles
Operating Temperature:
-48 to 90°C (-55 to 195°F)
Compensated Temperature:
-29 to 82°C (-20 to 180°F)
Thermal Zero Effect: ±0.07% full scale/°C
Thermal Span Effect: ±0.07% full scale/°C
Proof Pressure:
15 to 2000 psi = 200% full scale
3000 to 5000 psi = 150% full scale
7500 to 20,000 psi = 120% full scale

Burst Pressure:
15 to 2000 psi = 800% full scale
3000 to 5000 psi = 500% full scale
7500 to 20,000 psi = 500% full scale

Gages: Thin-film polysilicone
Diaphragm: 17-4 PH stainless steel
Case: 300 Series stainless steel
Pressure Connection:
15 to 10,000 psi = ¼ NPT
15,000 and 20,000 psi = female Aminco fitting

1⁄4 NPT Pressure Snubbers:
PS-4G = Gas
PS-4E = Lt Oil
PS-4D = Dense Lq

Electrical Connection: 0.9 m (36”)
braded-shield PVC cable or connector
Mating Connector: PT06F8-4S
(sold separately)
Weight: 128 g (4.5 oz) without cable
Response Time: 5 ms
Construction: Sealed units, except PX603 ±500 psi is vented to room
THIN-FILM TRANSDUCERS

PX603/PX613

To Order

<table>
<thead>
<tr>
<th>RANGE</th>
<th>MODEL NO.</th>
<th>bar</th>
<th>COMPATIBLE METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vacuum to 0 psig</td>
<td>PX6[*]3-30VAC5V</td>
<td>-1 to 0</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>Vacuum to 15 psig</td>
<td>PX6[*]3-30V15G5V</td>
<td>-1 to 1.0</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>Vacuum to 30 psig</td>
<td>PX6[*]3-30V30G5V</td>
<td>-1 to 2.1</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>Vacuum to 60 psig</td>
<td>PX6[*]3-30V60G5V</td>
<td>-1 to 4.1</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 15 psig</td>
<td>PX6[*]3-015G5V</td>
<td>0 to 1.0</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 60 psig</td>
<td>PX6[*]3-060G5V</td>
<td>0 to 4.1</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 100 psig</td>
<td>PX6[*]3-100G5V</td>
<td>0 to 6.9</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 150 psig</td>
<td>PX6[*]3-150G5V</td>
<td>0 to 10.3</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 200 psig</td>
<td>PX6[*]3-200G5V</td>
<td>0 to 13.8</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 300 psig</td>
<td>PX6[*]3-300G5V</td>
<td>0 to 20.7</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 500 psig</td>
<td>PX6[*]3-500G5V</td>
<td>0 to 34.5</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 1000 psig</td>
<td>PX6[*]3-1KG5V</td>
<td>0 to 68.9</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 2000 psig</td>
<td>PX6[*]3-2KG5V</td>
<td>0 to 138</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 3000 psig</td>
<td>PX6[*]3-3KG5V</td>
<td>0 to 207</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 5000 psig</td>
<td>PX6[*]3-5KG5V</td>
<td>0 to 345</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 7500 psig</td>
<td>PX6[*]3-7.5KG5V</td>
<td>0 to 517</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 10,000 psig</td>
<td>PX6[*]3-10KG5V</td>
<td>0 to 689</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 15,000 psig</td>
<td>PX6[*]3-15KG5V</td>
<td>0 to 1034</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
<tr>
<td>0 to 20,000 psig</td>
<td>PX6[*]3-20KG5V</td>
<td>0 to 1379</td>
<td>DP3002-E, DP41-E, DP25B-E</td>
</tr>
</tbody>
</table>

Comes complete with operator's manual. ** See omega.com/meters for compatible meters.

†15,000 and 20,000 psi models supplied with female Aminco fitting.

[⁎] Insert “0” for cable style, “1” for connector style.

Ordering Examples: PX603-500G5V, cable-style transducer with 1 to 5 Vdc output and range of 0 to 500 psi.
PX613-500G5V, connector-style transducer with 1 to 5 Vdc output and range of 0 to 500 psi.
PX613-500G5V, mating connector (sold separately).

ACCESSORIES

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT06F8-4S</td>
<td>Mating connector for PX613 Series transducers</td>
</tr>
<tr>
<td>PS-4D</td>
<td>Pressure snubber, for oil, 225 to 500 SSU (10 to 50 SAE)</td>
</tr>
<tr>
<td>PS-4E</td>
<td>Pressure snubber, for water and light oil, 30 to 225 SSU</td>
</tr>
<tr>
<td>PS-4G</td>
<td>Pressure snubber, for air, stream and gases</td>
</tr>
</tbody>
</table>

½ NPT Pressure Snubbers:
PS-4G = Gas
PS-4E = Lt Oil
PS-4D = Dense Lq