**Thin-Film Pressure Transmitters**

**Stainless Steel Construction**

Vacuum to 20,000 psi (1380 bar)

**PX605/PX615 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

**Specifications**

- **Excitation:** 10 to 30 Vdc unregulated
- **Output:** 4 to 20 mA (2 wire)
- **Supply Current:** 20 mA
- **Insulation Resistance:** 100 MΩ @ 50 V
- **Accuracy:** ±0.4% BFSL
- **Hysteresis:** ±0.2%
- **Repeatability:** ±0.07%
- **Stability:** ±0.5%/year
- **Durability:** 100 million cycles
- **Operating Temperature:** -28 to 121°C (-20 to 180°F)
- **Compensated Temperature:** -28 to 71°C (-20 to 160°F)
- **Thermal Zero Effect:** ±0.07% FS/°C
- **Thermal Span Effect:** ±0.07% FS/°C
- **Proof Pressure:**
  - 15 to 2000 psi = 200% FS
  - 3000 to 5000 psi = 150% FS
  - 7500 to 20,000 psi = 120% FS
- **Burst Pressure:**
  - 15 to 2000 psi = 800% FS
  - 3000 to 5000 psi = 300% FS
  - 7500 to 20,000 psi = 150% FS
- **Gages:** Thin-film polysilicon
- **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 (½ - 18 UNF)
- **Response Time:** 5 ms
- **Construction:** Sealed units, except PX605 ≤500 psi is vented to room
- **Weight:** 128 g (4.5 oz) without cable

**Electrical Connection:**

- Snubbers: PS-4G = Gas, PS-4E = Lt Oil, PS-4D = Dense Lq
- **PS-4 snubber, sold separately.**

**Connector Models:**

- PX615-100GI, shown smaller than actual size.
- PX605-1KGI, shown smaller than actual size.
- PT06F8-4S connector, sold separately.

**DP41-E meter, sold separately, see omega.com/meters**

**PT06F8-4S connector, sold separately.**

**Snubbers protect sensors from fluid spikes/hammers!**

**Burst Pressure:**

- 15 to 2000 psi = 800% FS
- 3000 to 5000 psi = 300% FS
- 7500 to 20,000 psi = 150% FS

**Response Time:** 5 ms

**Construction:** Sealed units, except PX605 ≤500 psi is vented to room

**Weight:** 128 g (4.5 oz) without cable
**THIN-FILM PRESSURE TRANSMITTERS**

To Order Visit omega.com/px605 for Pricing and Details

<table>
<thead>
<tr>
<th>RANGE</th>
<th>MODEL NO. [*] INSERT 0 or 1</th>
<th>COMPATIBLE METERS**</th>
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</thead>
<tbody>
<tr>
<td>psig</td>
<td>bar</td>
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<tr>
<td>0 psig to Vacuum</td>
<td>0 bar to Vacuum</td>
<td>PX6[*]5-30VACI</td>
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<tr>
<td>Vacuum to 15 psig</td>
<td>Vacuum to 1.0 bar</td>
<td>PX6[*]5-30V15GI</td>
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<tr>
<td>Vacuum to 30 psig</td>
<td>Vacuum to 2 bar</td>
<td>PX6[*]5-30V30GI</td>
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<tr>
<td>Vacuum to 60 psig</td>
<td>Vacuum to 4.1 bar</td>
<td>PX6[*]5-30V60GI</td>
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<tr>
<td>0 to 15</td>
<td>0 to 1.0</td>
<td>PX6[*]5-015GI</td>
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<tr>
<td>0 to 30</td>
<td>0 to 2.1</td>
<td>PX6[*]5-030GI</td>
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<tr>
<td>0 to 60</td>
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<td>0 to 100</td>
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<td>0 to 517</td>
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<tr>
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<td>0 to 1034</td>
<td>PX6[*]5-15KGI †</td>
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<tr>
<td>0 to 20,000</td>
<td>0 to 1379</td>
<td>PX6[*]5-20KGI †</td>
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Comes complete with operator’s manual.

† 15,000 and 20,000 psi models supplied with female AMINCO ½-18 UNF fitting.

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

Ordering Examples: PX605-500GI, cable-style transducer with a range of 0 to 500 psi.
PX615-500GI, connector-style transducer with a range of 0 to 500 psi.
PT06F8-4S, mating connector (sold separately).

** Specify PX605 for Cable or PX615 for Connector Style **

** See omega.com/meters for compatible meters.**

**ACCESSORY**

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<tr>
<td>PT06F8-4S</td>
<td>Mating connector for PX615 Series transducers</td>
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