MINIATURE FLUSH DIAPHRAGM PRESSURE TRANSDUCER
¼ NPT PRESSURE CONNECTION

mV/V Output
0-50 to 0-5000 psi
0-3.4 to 0-345 bar

PX61C Series
All Ranges

- Miniature Flush Diaphragm
- Flush Diaphragm for Precise Measurements
- All Welded Construction

SPECIFICATIONS
Excitation: 5 Vdc
Output Range: Range @ 50 psi = 1 mV/V; range >100 psi: 2 mV/V
Bridge Resistance: 350 Ω nominal
Zero Balance: ±1.0% of FSO
Accuracy: 1.0% linearity and hysteresis combined; calibrated at
0%, 50%, 100%, 50%, 0%
Repeatability: 0.1% of FSO
Operating Temperature Range: -54 to 121°C (-65 to 250°F)
Compensated Temperature Range: 16 to 71°C (60 to 160°F)
Thermal Effects:
  Zero: ±0.01% FS/°F
  Span: ±0.02% FSO/°F
Proof Pressure: 150% of capacity
Burst Pressure: 500% of capacity or 10,000 psi, whichever is less
Electrical Connections: PTIH-10-6P connector
Mating Connector: PT06F10-6S-R (sold separately)
Pressure Connection: ¼-18 NPT
Wetted Parts: 17-4 PH stainless steel
Weight: 50 g (0.55 oz)

To Order

<table>
<thead>
<tr>
<th>RANGE</th>
<th>MODEL NO.</th>
<th>COMPATIBLE METERS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABSOLUTE PRESSURE (All Ranges Available in Absolute Pressure)</td>
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<tr>
<td>0 to 50 psi</td>
<td>0 to 3.4 bar</td>
<td>PX61C1-050AV</td>
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<tr>
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<td>DP41-S, DP25B-S</td>
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<tr>
<td>0 to 100 psi</td>
<td>0 to 6.9 bar</td>
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<td></td>
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</tbody>
</table>

| GAGE PRESSURE (All Ranges Also Available in Sealed Gage Pressure) |                  |
| 0 to 50 psi       | 0 to 3.4 bar       | PX61C1-050GV       |
|                    | DP41-S, DP25B-S    |
| 0 to 100 psi      | 0 to 6.9 bar       | PX61C1-100GV       |
|                    | DP41-S, DP25B-S    |
| 0 to 200 psi      | 0 to 13.8 bar      | PX61C1-200GV       |
|                    | DP41-S, DP25B-S    |
| 0 to 300 psi      | 0 to 20.7 bar      | PX61C1-300GV       |
|                    | DP41-S, DP25B-S    |
| 0 to 500 psi      | 0 to 34.5 bar      | PX61C1-500GV       |
|                    | DP41-S, DP25B-S    |
| 0 to 1000 psi     | 0 to 68.9 bar      | PX61C1-1KV         |
|                    | DP41-S, DP25B-S    |
| 0 to 2500 psi     | 0 to 172 bar       | PX61C1-2.5KV       |
|                    | DP41-S, DP25B-S    |
| 0 to 4000 psi     | 0 to 276 bar       | PX61C1-4KV         |
|                    | DP41-S, DP25B-S    |
| 0 to 5000 psi     | 0 to 345 bar       | PX61C1-5KV         |
|                    | DP41-S, DP25B-S    |

Comes complete with 5-point NIST-traceable calibration.
* Visit us online for compatible meters. Metric ranges available – Consult Engineering.

Ordering Examples: PX61C1-100AV, 100 psi absolute pressure transducer with PTIH-10-6P electrical connection and ¼-18 NPT male pressure port. PT06F10-6S-R, mating connector (sold separately).
PX61C1-100SV, 100 psi sealed gage pressure transducer with PTIH-10-6P electrical connection and ¼-18 NPT male pressure port. PT06F10-6S-R, mating connector (sold separately).

ACCESSORY

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<td>PT06F10-6S-R</td>
<td>Mating connector for PX61C series transducers</td>
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CONNECTOR WIRING:
- PIN A & B: +INPUT
- PIN C & D: -INPUT
- PIN E: -OUTPUT
- PIN F: +OUTPUT

Dimensions: mm (inch)

Mating Connector:
- PT06F10-6S-R (sold separately)

- ¼-18 NPT male pressure port.

Mating Connector PT06F10-6S-R

Shown larger than actual size.
MINIATURE FLUSH DIAPHRAGM PRESSURE TRANSDUCER

½-20 UNF PRESSURE CONNECTION

PX61V Series
All Ranges

- Miniature Flush Diaphragm
- All Stainless Steel Construction
- Available in psia, psis, psig, and Metric Ranges

SPECIFICATIONS

Excitation: 5 Vdc
Output: 2 mV/V -20% +50% (1 mV/V 50 psi ranges)
Accuracy: 1.0% linearity and hysteresis combined
Repeatability: ±0.1% of FSO
Balance: ±2.0% of FSO
Bridge Resistance: 350 Ω nominal
Operating Temperature Range: -54 to 121°C (-65 to 250°F)
Compensated Temperature Range: 16 to 71°C (60 to 160°F)
Thermal Effects:
  - Zero: ±0.01% FS/°F
  - Span: ±0.02% FSO/°F
Proof Pressure:
  - 150% of capacity
Burst Pressure Minimum:
  - 300% of capacity or 30,000 psi, whichever is less
Electrical Connections: 1.5 m (5'); 4-conductor cable or PTIH-10-6P connector
Pressure Connection: ½-20 UNF-2A
Wetted Parts: 17-4 PH stainless steel

Dimensions: mm (inch)

DIA 19 (0.75)
DIA 7.6 (0.30) MAX

WIRING CODE:
GREEN +OUTPUT
WHITE +OUTPUT
BLACK -INPUT
RED -INPUT

4-CONDUCTOR CABLE 1.6 m (5') LONG

To Order

RANGE | MODEL NO. | COMPATIBLE METERS**
--- | --- | ---
ABSOLUTE PRESSURE (All Ranges Available in Absolute Pressure)
0 to 50 psi | PX61V-050AV | DP41-S, DP25B-S
0 to 100 psi | PX61V-100AV | DP41-S, DP25B-S
0 to 150 psi | PX61V-150AV | DP41-S, DP25B-S
0 to 200 psi | PX61V-200AV | DP41-S, DP25B-S
0 to 300 psi | PX61V-300AV | DP41-S, DP25B-S
0 to 500 psi | PX61V-500AV | DP41-S, DP25B-S
0 to 1000 psi | PX61V-1000AV | DP41-S, DP25B-S
0 to 2500 psi | PX61V-2500AV | DP41-S, DP25B-S
0 to 5000 psi | PX61V-5000AV | DP41-S, DP25B-S
0 to 10,000 psi | PX61V-10KAV | DP41-S, DP25B-S
0 to 15,000 psi | PX61V-15KAV | DP41-S, DP25B-S

GAGE PRESSURE (All Ranges Also Available in Sealed Gage Pressure)
0 to 50 psi | PX61V-050GV | DP41-S, DP25B-S
0 to 100 psi | PX61V-100GV | DP41-S, DP25B-S
0 to 150 psi | PX61V-150GV | DP41-S, DP25B-S
0 to 200 psi | PX61V-200GV | DP41-S, DP25B-S
0 to 300 psi | PX61V-300GV | DP41-S, DP25B-S
0 to 500 psi | PX61V-500GV | DP41-S, DP25B-S
0 to 1000 psi | PX61V-1000GV | DP41-S, DP25B-S
0 to 2500 psi | PX61V-2500GV | DP41-S, DP25B-S
0 to 5000 psi | PX61V-5000GV | DP41-S, DP25B-S
0 to 10,000 psi | PX61V-10KGV | DP41-S, DP25B-S
0 to 15,000 psi | PX61V-15KGV | DP41-S, DP25B-S

Comes complete with 5-point NIST-traceable calibration. Metric ranges available – Consult Engineering.

† 4-digit meter, counts in increments of 10.
** Visit us online for compatible meters.
[†] To order cable style insert “0”, to order connector style insert “1”.
To order psia models, replace “G” in model number with “A”.
To order psis models, replace “G” in model number with “S”.

Ordering Examples:
PX61V-100AV, 100 psi absolute pressure transducer with 1.5 m (5’) cable and ½-20 UNF male pressure port.
PX61V-1000AV, 100 psi absolute pressure transducer with 1.5 m (5’) cable and ½-20 UNF male pressure port.

ACCESSORY

MODEL NO. | DESCRIPTION
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PT06F10-6S-R | Mating connector for PX61V series transducers