Differential Pressure Transmitter
With Field-Selectable Ranges

**Current or Voltage Output**

**PX274/277 Series**

- Up to 6 Field-Selectable Ranges in a Single Unit
- Rugged NEMA 4 (IP65) Enclosure with External Mounting Bracket
- Up to 10 psid Overpressure Without Zero Shift
- Short Circuit and Reverse Polarity Protected

The PX274 is a rugged differential pressure transmitter that offers up to 6 field-selectable ranges in one unit. It incorporates a rugged NEMA 4 (IP65) dust-proof and splashproof enclosure with an external mounting bracket.

**SPECIFICATIONS**

**Excitation:**
- PX274: 12 to 40 Vdc
- PX277: 12 to 35 Vdc

**Output:**
- PX274: 4 to 20 mA (2 wire)
- PX277: 0 to 5 or 0 to 10 Vdc

**Accuracy:** ±1.0% FS

**Operating Temp:** -18 to 80°C (0 to 175°F)

**Compensated Temp:** -4 to 65°C (25 to 150°F)

**Thermal Effects:** 0.02% FS/°C (±0.0125%/°F)

**Proof Pressure:** 10 psi

**Media Compatibility:** Clean, dry air or inert gas

**Pressure Fittings:** 0.2" hose barbs (use 3⁄16" flexible tubing)

**Termination:** Screw terminal

**Enclosure:** Enamel coated, 18 GA steel, NEMA 4 (IP65) rated

**Weight:** 454 g (1.0 lb)

**Dimensions:** mm (inch)

To Order

<table>
<thead>
<tr>
<th>CURRENT MODEL NO.</th>
<th>VOLTAGE MODEL NO.</th>
<th>SELECTABLE RANGES (inH2O)</th>
<th>COMPATIBLE METERS</th>
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<tbody>
<tr>
<td>PX274-0.1DI</td>
<td>PX277-0.1D5V</td>
<td>0 to 0.1, -0.05 to +0.05</td>
<td>DP24-E, DP25B-E, DP41-E</td>
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<tr>
<td>PX274-01DI</td>
<td>PX277-01D5V</td>
<td>0 to 1.0, 0 to 0.5, 0 to 0.25, -0.5 to 0.25, -0.125 to 0.125</td>
<td>DP24-E, DP25B-E, DP41-E</td>
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<tr>
<td>PX274-05DI</td>
<td>PX277-05D5V</td>
<td>0 to 5.0, 0 to 2.5, 0 to 1.25, -2.5 to 1.25, -0.625 to 0.625</td>
<td>DP24-E, DP25B-E, DP41-E</td>
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<tr>
<td>PX274-30DI</td>
<td>PX277-30D5V</td>
<td>0 to 30, 0 to 15, 0 to 7.5, -15 to 15, -7.5 to 7.5, -3.75 to 3.75</td>
<td>DP24-E, DP25B-E, DP41-E</td>
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</tbody>
</table>

**ACCESSORY**

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>PX270-PROBE</td>
<td>Static pressure probe 101.6 mm (4&quot;) length</td>
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Comes complete with operator’s manual.

Ordering Examples: PX274-0.1DI, current output pressure transmitter with user-selectable ranges of 0 to 0.1 and -0.05 to 0.05 inH₂O.
PX277-05D5V, voltage output pressure transmitter with user-selectable ranges between ±0.625 inH₂O and 0 to 5 inH₂O.

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