GENERAL PURPOSE CURRENT OUTPUT PRESSURE TRANSMITTER
AVAILABLE IN GAGE, ABSOLUTE, AND VACUUM RANGES

PX305/PX315 Series
Vacuum to 10,000 psi (690 bar)

- Cable with Integral Strain Relief or DIN Connector
- Welded Stainless Steel Construction
- NEMA 4 (IP65) Enclosure
- Reverse Polarity Protected
- 0.25% Full Scale Accuracy

SPECIFICATIONS
Excitation: 12 to 30 Vdc unregulated
Output: 4 to 20 mA (2-wire reverse polarity protected)
Max Loop Resistance: (Vpower – Vmin) x 50 (1500 Ω max)
Accuracy: ±0.25% FS (linearity, hysteresis, repeatability); vacuum ranges ±0.35% typ, ±0.5% max
Zero Balance: 4 mA ±0.2%
Span: 16 mA ±0.4% FS
Long-Term Stability: ±0.5% FS
Operating Temperature: -18 to 71°C (0 to 160°F)
Compensated Temperature: -1 to 71°C (30 to 160°F)

Total Thermal Effects: 1% FS max over compensated range
Proof Pressure: 200% or 13,000 psi max, whichever is less
Gage Type: Stainless steel diaphragm, silicone oil-filled semiconductor sensor
Shock: 50 g @ 11 ms
Vibration: 15 g, 10 to 2000 Hz
Wetted Parts: 17-4 PH and 300 Series stainless steel

Pressure Port: ¼ NPT male
Electrical Connection:
PX305: 1 m (3') 4-conductor, 22 AWG, PVC jacketed, shielded cable
PX315: Miniature DIN connector (included)
Weight: 210g (7.4 oz) to 1000 psi
266 g (9.4 oz) from 1000 psi and higher

Starts at $310

PX305-100GI, cable style, $310, shown actual size.
PX315-100GI, connector style, $330, shown actual size.

PX305:
Dimensions: mm (in)
115 (4.5)
38.1 (1.5)
0.5
25.4 (1 MAX)

PX315:
Dimensions: mm (in)
103.2 (4.06)
38.1 (1.5)
PIN OUTPUT:
PIN 1 = +EXCITATION
PIN 2 = COMMON
PIN 4 = CASE GROUND

Total Thermal Effects: 1% FS max over compensated range
Proof Pressure: 200% or 13,000 psi max, whichever is less
Gage Type: Stainless steel diaphragm, silicone oil-filled semiconductor sensor
Shock: 50 g @ 11 ms
Vibration: 15 g, 10 to 2000 Hz
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Weight: 210g (7.4 oz) to 1000 psi
266 g (9.4 oz) from 1000 psi and higher
# Current Output Pressure Transmitter

Snubbers protect sensors from fluid spikes/hammers!

<table>
<thead>
<tr>
<th>psi</th>
<th>bar</th>
<th>CABLE STYLE</th>
<th>PRICE</th>
<th>CONNECTOR STYLE</th>
<th>PRICE</th>
<th>COMPATIBLE METERS*</th>
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<td>GAGE PRESSURE RANGES</td>
<td></td>
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<td>0 to 15 0 to 1.0</td>
<td>PX305-015GI</td>
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<td>PX315-015GI</td>
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<td>DP24-E, DP25B-E, DP41-E, DPI Series</td>
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<tr>
<td>0 to 300 0 to 20.7</td>
<td>PX305-300GI</td>
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<td>0 to 500 0 to 34.5</td>
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<tr>
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<td>VACUUM AND ABSOLUTE PRESSURE RANGES</td>
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</tbody>
</table>

Comes complete with operator’s manual. *See section D for compatible meters.

Ordering Example: PX305-3KGI, 3000 psig full scale rating, 4 to 20 mA DC at the full scale level, $310.

Recommended Reference Book: Heating Ventilating and Air Conditioning Analysis and Design, MS-1001, $120

See Section Y For Additional Books.
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  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

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  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**
  Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers, Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

- **Pressure, Strain and Force**
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- **Heaters**