LOW-VOLTAGE AMPLIFIED OUTPUT TRANSUCER
FOR 5 Vdc POWER

±1.0 to ±30 psi
±0.07 to ±2 bar

PX139 Series

✓ Available for Differential, Gage, or Absolute Measurement
✓ Precision 4V Output Span
✓ Precise Temperature Compensation
✓ For Dry Gas
✓ 5V Excitation

The PX139 Series pressure transducer uses state-of-the-art micro-machined silicon sensors with stress-free packaging techniques to provide highly accurate, temperature-compensated pressure measurements for the most demanding applications. Designed to operate from a 5 Vdc power source, the PX139 provides a calibrated 4V output span of 0.25 to 4.25V.

SPECIFICATIONS
Excitation Voltage: 5 Vdc @ 2 mA
Output: 0.25 to 4.25 Vdc
Span: 4V ±0.1V
Linearity and Hysteresis: ±0.1% FS typical, 0.5% max
(0.5% typ. 1% max for ±0.3 psi range)
Repeatability: ±0.3% FS
Zero Balance: 2.25 ±0.1 Vdc diff.; 0.25 ±0.1 Vdc abs.
Storage Temperature: -40 to 125°C (-40 to 257°F)
Compensated Temp Range: 0 to 50°C (32 to 122°F)
Zero Temp Effects: ±0.5% FS (±1% FS for 0.3 psi)
Span Temp Effects: ±0.5% FS (±1% FS for 0.3 psi)
Proof Pressure: >3x FS pressure
Burst Pressure: >5x FS pressure
Common Mode Press: 50 psi
Media Compatibility: For use with gases compatible with silicon, glass-filled nylon and alumina ceramic
Mating Connector: CX136-4 (sold separately)

Visit omega.com/px139 for Pricing and Details

To Order

<table>
<thead>
<tr>
<th>GAGE/DIFFERENTIAL PRESSURE</th>
<th>MODEL NO.</th>
<th>COMPATIBLE METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>±1 psi</td>
<td>0.069 bar</td>
<td>PX139-001D4V</td>
</tr>
<tr>
<td>±5 psi</td>
<td>0.34 bar</td>
<td>PX139-005D4V</td>
</tr>
<tr>
<td>±15 psi</td>
<td>1.0 bar</td>
<td>PX139-015D4V</td>
</tr>
<tr>
<td>±30 psi</td>
<td>2.1 bar</td>
<td>PX139-030D4V</td>
</tr>
</tbody>
</table>

ABSOLUTE PRESSURE RANGES

To Order Visit omega.com/px139 for Pricing and Details

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CX136-4</td>
<td>Mating connector for PX139 series transducers</td>
</tr>
</tbody>
</table>