**ECONOMICAL MILLIVOLT OUTPUT TYPE PRESSURE TRANSDUCER**

**WITH FULL BRIDGE DESIGN FOR HIGH SENSITIVITY**

**PX236 Series**

0-5 to 0-150 psi

**PX236**

$95

**SILICON DIAPHRAGM**

- 450 mm (18” Leads)
- Standard Compensated
- ¼-18 NPT Pressure Port
- 1 mS Response Time
- 0 to 50°C Compensated Temperature Range
- 10 Vdc Excitation

**SPECIFICATIONS**

- **Excitation:** 10 Vdc, 16 V max. @ 2 mA
- **Output:** See Ranges
- **Input Impedance:** 6.8 kΩ
- **Linearity:** ±1.5% FS BFSL
  ±0.5% FS BFSL 100 mV output
- **Hysteresis & Repeatability:** ±0.25% full scale
- **Zero Balance:** ±2 mV
- **Operable Temperature Range:** -30 to 70°C (-22 to 158°F)
- **Compensated Temperature Range:** 0 to 50°C (32 to 122°F)
- **Thermal Span Effect:** ±1.5% full scale
- **Thermal Zero Effect:** 0.04 mV/°C, typ., 0.08 mV/°C max.
- **Operable Overpressure:** 1.5 x full scale
- **Response Time:** 1 ms
- **Gage Type:** Solid State Piezo-Resistive
- **Fitting Material:** Stainless Steel
- **Diaphragm Material:** 2.5 mm² (0.10 in²)
  Silicon Sensor Chip, .055 in³ volume
- **Pressure Port:** ¼-18 NPT
- **Electrical Connections:** 450 mm (18”), #28 AWG 4 Conductor Cable
- **Weight:** 56 g (2 oz)
- **Media Compatibility:** Limited only to those media which will not attack polyester, silicon borosilicate glass, or epoxy adhesive

**Can be used for vacuum applications. Calibration may be required as units have approximately 80% sensitivity in vacuum applications.**

**Dimensions in mm (in.)**

- 10 Vdc
- 2
- +
- 3
- -
- 4

**LEAD WIRES**

1-Red V+
2-White Out+
3-Black V-
4-Green Out-

**To Order (Specify Model Number)**

<table>
<thead>
<tr>
<th>RANGE</th>
<th>OUTPUT</th>
<th>MODEL</th>
<th>PRICE</th>
<th>COMPATIBLE METERS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 5 psig</td>
<td>50 mV</td>
<td>PX236-005GV</td>
<td>$95</td>
<td>DP25-S, DP2000S2, DP41-S</td>
</tr>
<tr>
<td>0 to 15 psig</td>
<td>100 mV</td>
<td>PX236-015GV</td>
<td>95</td>
<td>DP25-S, DP2000S2, DP41-S</td>
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<tr>
<td>0 to 30 psig</td>
<td>80 mV</td>
<td>PX236-030GV</td>
<td>95</td>
<td>DP25-S, DP2000S2, DP41-S</td>
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<tr>
<td>0 to 60 psig</td>
<td>60 mV</td>
<td>PX236-060GV</td>
<td>95</td>
<td>DP25-S, DP2000S2, DP41-S</td>
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<tr>
<td>0 to 100 psig</td>
<td>100 mV</td>
<td>PX236-100GV</td>
<td>95</td>
<td>DP25-S, DP2000S2, DP41-S</td>
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<tr>
<td>0 to 150 psig</td>
<td>60 mV</td>
<td>PX236-150GV</td>
<td>95</td>
<td>DP25-S, DP2000S3, DP41-S</td>
</tr>
</tbody>
</table>

*See Section D for compatible meters

Ordering Example: PX236-030GV has a range of 0 to 30 psig and an output of 80 mV, $95.
More than 100,000 Products Available!

- **Temperature**

- **Flow and Level**
  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

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

- **Data Acquisition**

- **Pressure, Strain and Force**
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

- **Heaters**