

LOW-COST AMPLIFIED OUTPUT TRANSDUCER FOR 5 Vdc POWER

PX139 Series

±0.3 to ±30 psi

±0.02 to ±2 bar

All Ranges
\$90



- ✓ Available for Differential, Gage, or Absolute Measurement
- ✓ Calibrated 4 V Output Span
- ✓ Precise Temperature Compensation
- ✓ For Dry Gas
- ✓ 5 V 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 4 V output span of 0.25 to 4.25 V.

SPECIFICATIONS

Excitation Voltage: 5 Vdc @ 2 mA

Output: 0.25 to 4.25 Vdc

Span: 4 V ±0.1 V

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.

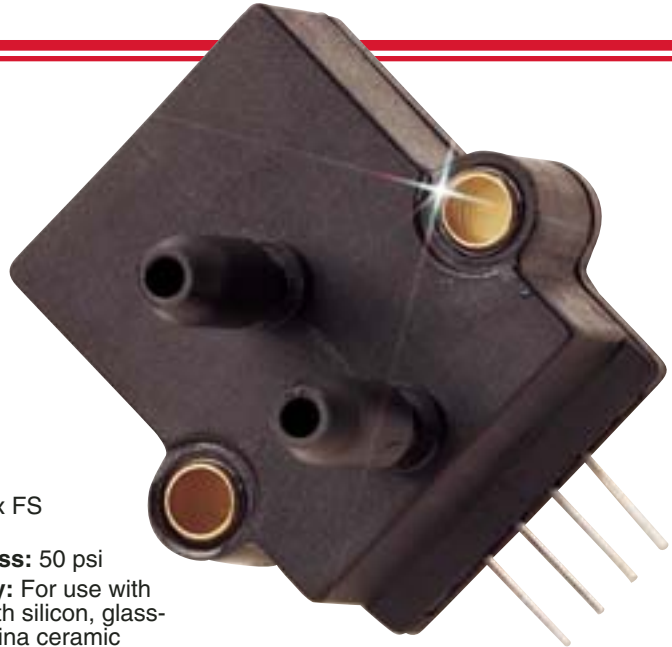
Storage Temperature: -40 to 125°C (-40 to 257°F)

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



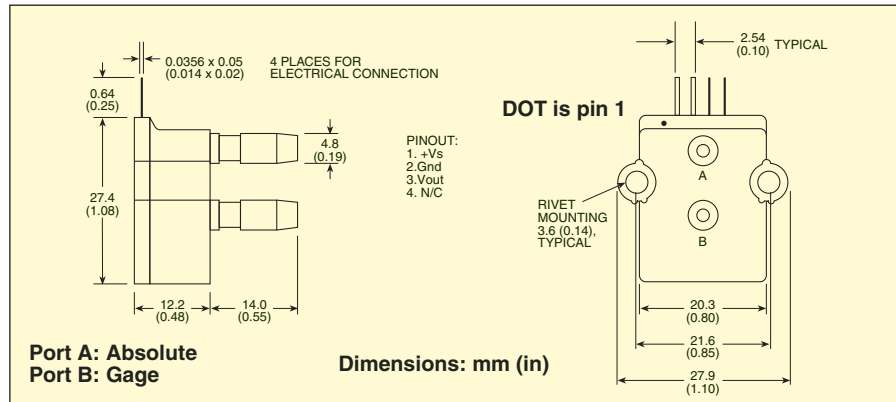
PX139-0.3DV, \$90, shown 2.5x larger than actual size.

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 (not included), see page C-10



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

GAGE/DIFFERENTIAL PRESSURE		MODEL NO.	PRICE	COMPATIBLE METERS*
±0.3 psi	0.02 bar	PX139-0.3D4V	\$90	DP25B-E, DP41-E
±1 psi	0.069 bar	PX139-001D4V	90	DP25B-E, DP41-E
±5 psi	0.34 bar	PX139-005D4V	90	DP25B-E, DP41-E
±15 psi	1.0 bar	PX139-015D4V	90	DP25B-E, DP41-E
±30 psi	2.1 bar	PX139-030D4V	90	DP25B-E, DP41-E
ABSOLUTE PRESSURE RANGES				
0 to 15 psia	0 to 1.0 bar	PX139-015A4V	\$90	DP25B-E, DP41-E
0 to 30 psia	0 to 2.1 bar	PX139-030A4V	90	DP25B-E, DP41-E

Comes with complete operator's manual.

* See section D for compatible meters.

Ordering Example: PX139-015A4V, amplified 0 to 15 psia output transducer, \$90.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
AV-1017	\$130	Reference Book: Mechanics of Aircraft Structures

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• 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

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