

LOW-VOLTAGE AMPLIFIED OUTPUT TRANSDUCER FOR 5 Vdc POWER

PX139 Series

±1.0 to ±30 psi
±0.07 to ±2 bar

All Ranges
\$90



- ✓ Available for Differential, Gage, or Absolute Measurement
- ✓ Calibrated 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



Actual size.



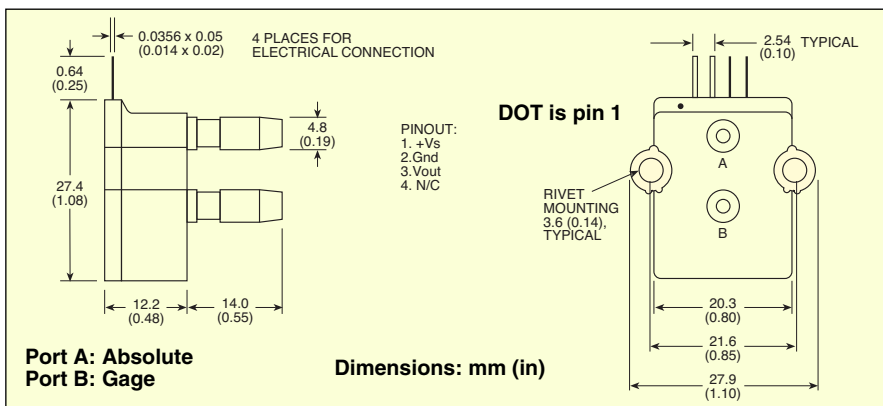
PX139-001D4V, \$90, shown 2.5x larger than actual size.

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 (sold separately)



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

GAGE/DIFFERENTIAL PRESSURE		MODEL NO.	PRICE	COMPATIBLE METERS*
±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 complete with 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
CX136-4	\$3	Mating connector for PX139 series transducers



VOLTAGE OUTPUT
PRESSURE TRANSDUCERS

B



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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

• pH and Conductivity

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

• Data Acquisition

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

• 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

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters