

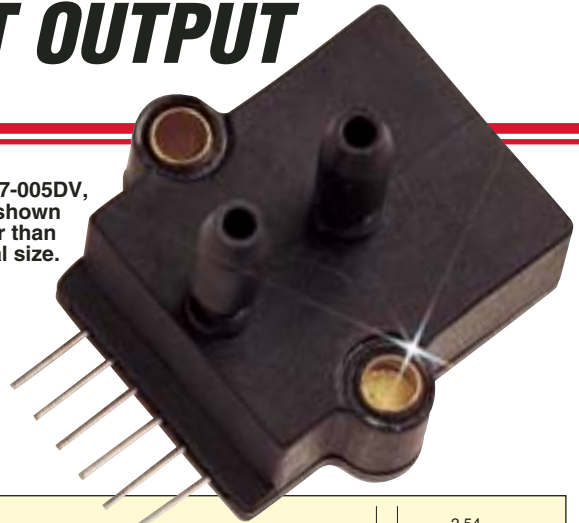
LOW-COST SILICON PRESSURE SENSOR WITH MILLIVOLT OUTPUT

PX137 Series
0-0.3 to 0-100 psi
0-0.02 to 0-6.9 bar

All Ranges
\$65



PX137-005DV,
 \$65, shown
 larger than
 actual size.



- ✓ Available for Differential, Gage, or Absolute Measurement
- ✓ Calibrated Millivolt Output
- ✓ Precise Temperature Compensation

The PX137 Series pressure transducers use state-of-the-art micro-machined silicon pressure sensors in conjunction with stress-free packaging techniques to provide highly accurate, temperature-compensated pressure measurements for the most demanding applications.

SPECIFICATIONS

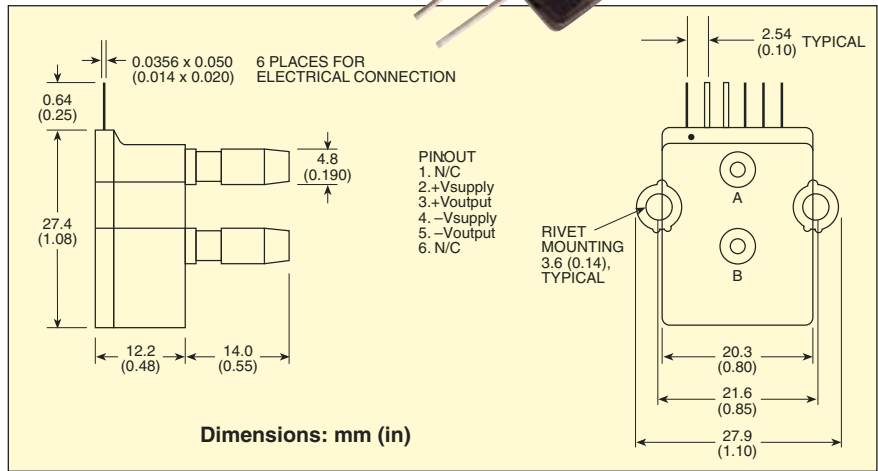
Excitation Voltage: 12 Vdc (16 max)

Linearity and Hysteresis: ±0.1% FS typical/0.5% max (0.5%/1% for 0.3 psi range)

Repeatability: ±0.1% FS typical/0.3% max

Zero Balance: ±1 mV (±3 mV for 0.3 psi range)

Input Resistance: 10 kΩ



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

Operating Temp: 0 to 70°C (32 to 158°F)

Span Temp Effects:
 ±1.5% FS 0 to 50°C (32 to 122°F)
 +0.5% FS 50 to 70°C (122 to 158°F)

Zero Temp Effects:
 ±0.8 mV 0 to 50°C (32 to 122°F)
 +0.2 mV 50 to 70°C (122 to 158°F)

For 0.3 psi Range:
 ±1.0 mV 0 to 50°C (32 to 122°F)
 +0.5 mV 50 to 70°C (122 to 158°F)

Proof Pressure: >3x FS pressure

Burst Pressure: >5x FS pressure

Common-Mode Pressure: 50 psi

Media Compatibility: For use with gases compatible with silicon, glass-filled nylon and alumina ceramic

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

GAGE/DIFFERENTIAL PRESSURE RANGES		MODEL NO.	PRICE	FS OUTPUT (@ 12 V EXC.)	COMPATIBLE METERS*
±0.3 psi (8.3 in H ₂ O)	0.02 bar (2 kPa)	PX137-0.3DV	\$115	18 ±2 mV	DP25B-S, DP41-S
±1 psi	0.07 bar	PX137-001DV	65	18 ±1 mV	DP25B-S, DP41-S
±5 psi	0.34 bar	PX137-005DV	65	60 ±2.5 mV	DP25B-S, DP41-S
±15 psi	1.0 bar	PX137-015DV	65	90 ±5 mV	DP25B-S, DP41-S
±30 psi	2.1 bar	PX137-030DV	65	90 ±5 mV	DP25B-S, DP41-S
±100 psi	6.9 bar	PX137-100DV	65	100 ±5 mV	DP25B-S, DP41-S
ABSOLUTE PRESSURE RANGES					
±15 psia	1.0 bar	PX137-015AV	\$65	90 ±5 mV	DP25B-S, DP41-S

Comes with complete operator's manual.

* See section D for compatible meters.

Ordering Example: PX137-015AV, millivolt output silicone pressure sensor with 0 to 15 psi absolute pressure range, \$65.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
CM-4355	\$80	Reference Book: Automated Continuous Process Control



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• Temperature

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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