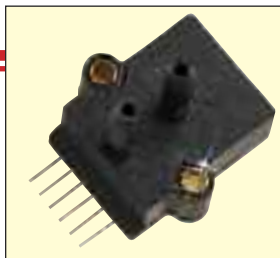


LOW-COST SILICON PRESSURE SENSOR WITH MILLIVOLT OUTPUT

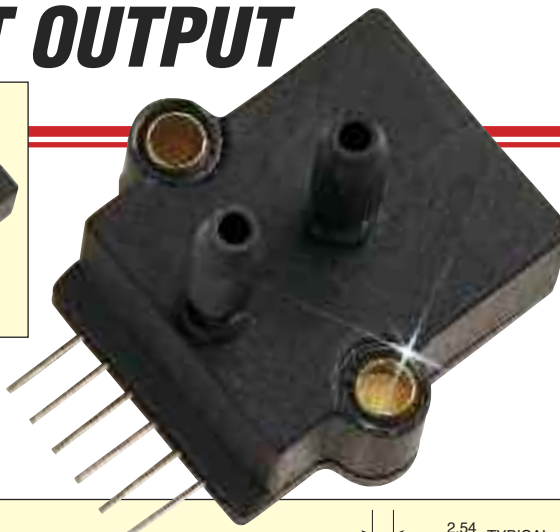
PX137 Series
0-0.3 to 0-100 psi
0-0.02 to 0-6.9 bar

Starts at
\$65



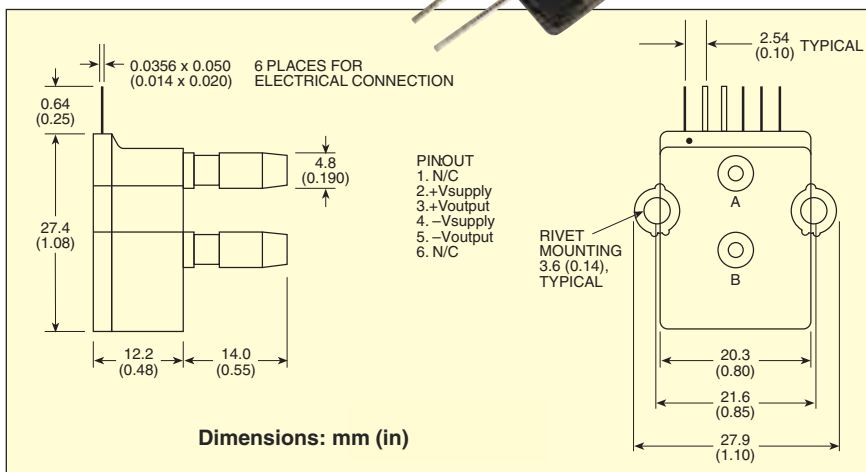
Actual size.

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: $\pm 0.1\%$ FS typical/ 0.5% max ($0.5\%/1\%$ for 0.3 psi range)
Repeatability: $\pm 0.1\%$ FS typical/ 0.3% max

Zero Balance: ± 1 mV (± 3 mV for 0.3 psi range)
Input Resistance: 10 k Ω
Storage Temp: -40 to 125°C (-40 to 257°F)
Operating Temp: 0 to 70°C (32 to 158°F)
Span Temp Effects:
 $\pm 1.5\%$ 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

Recommended Reference Book:
Guide to Flanges, Fittings, and Piping
ME-1704, \$60
See Section Y
For Additional Books

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 complete with 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.



MILLIVOLT OUTPUT
PRESSURE TRANSDUCERS

B



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

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Amstelveen, NL
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More than 100,000 Products Available!

• 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