

LOW-COST STAINLESS STEEL CASE TRANSDUCERS GAGE BI-DIRECTIONAL AND VACUUM RANGES

PX240A Series
5 to 250 psig
0.5 to 16 bar

Starts at
\$165
Imperial
Ranges



See Section Y for a
Selection of Scientific
Technical and Reference
Books available from
omega.com

Supplied with
0.3 m (12") leads.

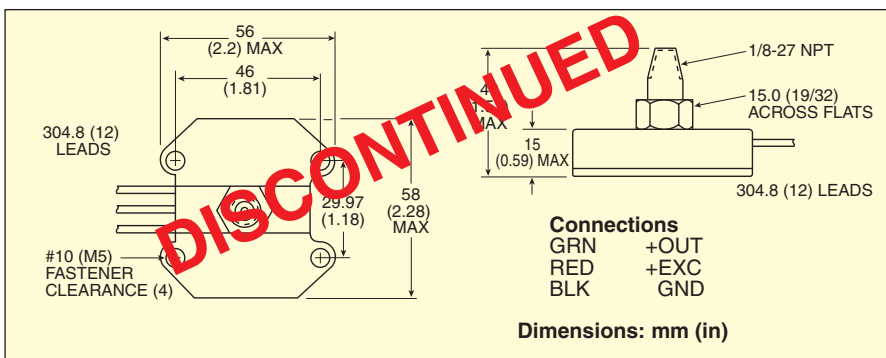
DISCONTINUED



Metric thread
adaptors available,
see section C.

PX242A-015G5V, \$175,
shown actual size.

- ✓ Silicon Diaphragm
- ✓ Stainless Steel Case
- ✓ Buna-N Seals
- ✓ 8 Vdc Excitation
- ✓ 0.3 m (12") Lead Wires
- ✓ -40 to 85°C (-40 to 185°F)
- ✓ 1 to 6 Vdc Output
- ✓ Temperature Compensated



SPECIFICATIONS

Excitation: 8 Vdc regulated,
7 to 16 Vdc

Output:
1 to 6 Vdc @ 8 Vdc into 800 Ω min

Linearity: ±0.25% linearity and
hysteresis combined

Repeatability: ±0.1%

Zero Balance: 1.0 Vdc ±0.05;
3.5 Vdc ±0.05 for PX243

Compensated Temperature Range:
-27 to 63°C (-17 to 145°F)

Operable Overpressure: 2x FS

Response Time: 1 ms

Gage Type: Solid state piezoresistive

Body Material: Stainless steel

Diaphragm Material:
2.5 mm (0.10") square silicon sensor
chip with Buna-N O-ring

Media Compatibility: Limited to
non-caustic media that will not attack
stainless steel, silica, borosilicate glass
or Buna-N seal

Pressure Port: 1/8-27 NPT male

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

RANGE	MODEL NO.	PRICE	COMPATIBLE METERS*
-15 to 0 psig -1 to 0 bar	PX241A-15NG5V	\$175	DPiS8, DP41-E, DP25B-E
0 to 5 psig 0 to 0.34 bar	PX242A-005G5V	175	DPiS8, DP41-E, DP25B-E
0 to 15 psig 0 to 1.0 bar	PX242A-015G5V	175	DPiS8, DP41-E, DP25B-E
0 to 30 psig 0 to 2.1 bar	PX242A-030G5V	175	DPiS8, DP41-E, DP25B-E
0 to 60 psig 0 to 4.1 bar	PX242A-060G5V	165	DPiS8, DP41-E, DP25B-E
0 to 100 psig 0 to 6.9 bar	PX242A-100G5V	165	DPiS8, DP41-E, DP25B-E
0 to 150 psig 0 to 10.3 bar	PX242A-150G5V	165	DPiS8, DP41-E, DP25B-E
0 to 250 psig 0 to 17.2 bar	PX242A-250G5V	165	DPiS8, DP41-E, DP25B-E
±2.5 psig ±0.17 bar	PX243A-2.5BG5V	175	DPiS8, DP41-E, DP25B-E
±5.0 psig ±0.34 bar	PX243A-05BG5V	175	DPiS8, DP41-E, DP25B-E
±15 psig ±1.0 bar	PX243A-15BG5V	175	DPiS8, DP41-E, DP25B-E

Comes complete with operator's manual.

* See section D for compatible meters.

Ordering Example: PX242A-015G5V, stainless steel transducer with 0 to 15 psig range and 1/8 NPT fitting, \$175.



UNITED STATES

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

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• 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