

LOW-COST TRANSDUCERS FOR VACUUM/ ABSOLUTE/DIFFERENTIAL/GAGE MEASUREMENTS FOR MEASUREMENT OF CLEAN GASES

PX140 Series

±2.5 to 0-30 psi
±0.1 to 0-2 bar

All Ranges
\$120



- ✓ Silicon Diaphragm
- ✓ High-Level Output:
1 to 6 Vdc @ 8 Vdc
Excitation
- ✓ Pressure, Vacuum,
Differential, Gage, and
Absolute Types
- ✓ Printed Circuit Board
Terminals Exit on
Opposite Side from
the Ports
- ✓ High-Impact Plastic Case
- ✓ Accurate
- ✓ All Models Temperature
Compensated

See page C-10 for connector CX136-3



PX142-015D5V, \$120, shown
larger than actual size.

SPECIFICATIONS

Excitation: 8 Vdc regulated
(7 to 16 limits) @ 8 mA
Output: 1 to 6 Vdc (±2.5 Vdc PX143)
Linearity: ±0.75% FS BFSL
(±1.5% FS PX143)
Hysteresis: 0.15% FS
(0.30% FS ≤5 psi range)
Zero Balance: 1.0 Vdc ±0.05
(3.50 Vdc ±0.05 PX143)

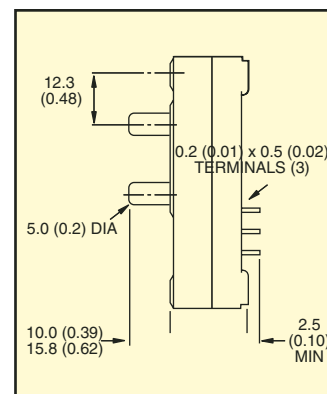
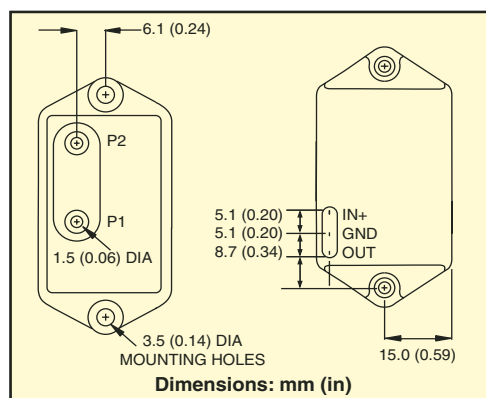
Operable Overpressure: 3x range
except (60 psi for 30 psi range,
20 psi for 5 psi)

Response Time: 1 ms

MEDIA COMPATIBILITY

Absolute and P1: Dry gases only
Gage and P2: Limited only to those media
that will not attack polyester, silicon,
borosilicate glass or epoxy adhesive

Compensated Temperature Range:
-18 to 63°C (0 to 145°F)



ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

RANGE		TYPE	MODEL NO.	PRICE	COMPATIBLE METERS*
-1 to 0 psiv	-0.07 to 0 bar	Vacuum	PX141-001D5V	\$120	DP41-E, DP25B-E, DP24-E
-5 to 0 psiv	-0.03 to 0 bar	Vacuum	PX141-005V5V	120	DP41-E, DP25B-E, DP24-E
-15 to 0 psiv	-1 to 0 bar	Vacuum	PX141-015V5V	120	DP41-E, DP25B-E, DP24-E
0 to 15 psia	0 to 1.0 bar	Absolute	PX142-015A5V	120	DP41-E, DP25B-E, DP24-E
0 to 30 psia	0 to 2.1 bar	Absolute	PX142-030A5V	120	DP41-E, DP25B-E, DP24-E
0 to 1 psid	0 to 0.069 bar	Differential	PX142-001D5V	120	DP41-E, DP25B-E, DP24-E
0 to 2 psid	0 to 0.14 bar	Differential	PX142-002D5V	120	DP41-E, DP25B-E, DP24-E
0 to 5 psid	0 to 0.34 bar	Differential	PX142-005D5V	120	DP41-E, DP25B-E, DP24-E
0 to 15 psid	1.0 bar	Differential	PX142-015D5V	120	DP41-E, DP25B-E, DP24-E
0 to 30 psid	0 to 2.1 bar	Differential	PX142-030D5V	120	DP41-E, DP25B-E, DP24-E
±1 psid	±0.069 bar	Differential	PX143-01BD5V	120	DP41-E, DP25B-E, DP24-E
±2.5 psid	±0.17 bar	Differential	PX143-2.5BD5V	120	DP41-E, DP25B-E, DP24-E
±5 psid	±0.34 bar	Gage	PX143-05BD5V	120	DP41-E, DP25B-E, DP24-E
±15 psid	±1.0 bar	Differential	PX143-15BD5V	120	DP41-E, DP25B-E, DP24-E

Comes with complete operator's manual.

* See section D for compatible meters.

Ordering Example: PX142-015D5V, 0 to 15
psi differential pressure, \$120. PX141-005V5V,
-5 psi to 0 vacuum range, \$120.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1805	\$131	Reference Book: Instrumentation Fundamentals



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

CANADA

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Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de

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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

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• 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