

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

±1.0 to 0-30 psi
±0.07 to 0-2 bar

PX140 Series



PX142-015D5V,
shown actual size.

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

SPECIFICATIONS

Excitation: 8 Vdc regulated
(7 to 16 limits) @ 8 mA

Output: 1 to 6 Vdc (±2.5 Vdc PX143)

Linearity: ±0.75% FS BFS
(±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)

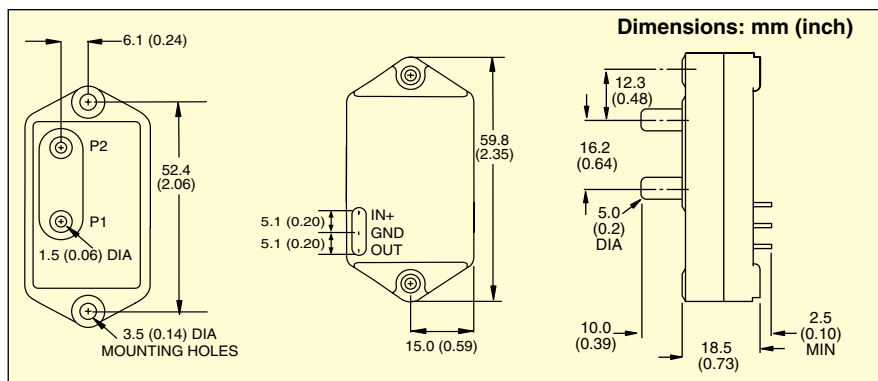
Response Time: 1 ms

MEDIA COMPATIBILITY

Absolute and P1: Dry gases only

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)



Visit **OMEGA** for connector **CX136-3**

To Order

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

Comes complete with operator's manual.

* Visit us online for compatible meters.

Ordering Examples: PX142-015D5V, 0 to 15 psi differential pressure.

PX141-005V5V, -5 psi to 0 vacuum range.

ACCESSORY

MODEL NO.	DESCRIPTION
CX136-3	Mating connector for PX140 series transducers