

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

$\pm 1.0$  to  $0-30$  psi  
 $\pm 0.07$  to  $0-2$  bar

## PX140 Series



PX142-015D5V,  
shown actual size.

### SPECIFICATIONS

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

**Output:** 1 to 6 Vdc ( $\pm 2.5$  Vdc PX143)

**Linearity:**  $\pm 0.75\%$  FS BFS  
( $\pm 1.5\%$  FS PX143)

**Hysteresis:** 0.15% FS  
(0.30% FS  $\leq 5$  psi range)

**Zero Balance:** 1.0 Vdc  $\pm 0.05$   
(3.50 Vdc  $\pm 0.05$  PX143)

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

**Response Time:** 1 ms

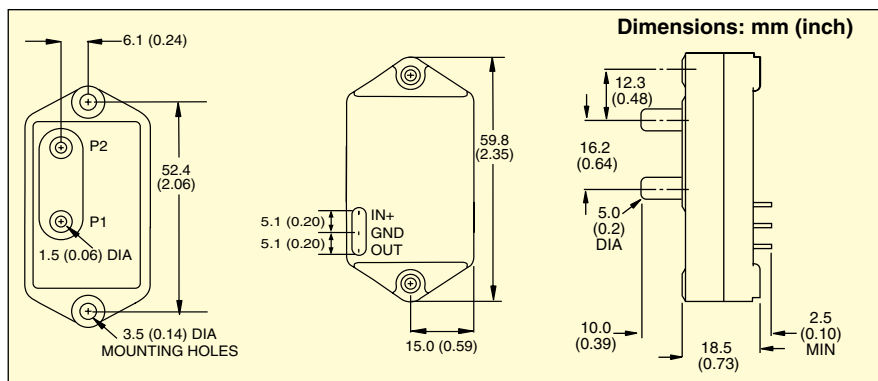
### MEDIA COMPATIBILITY

**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  $63^{\circ}\text{C}$  ( $0$  to  $145^{\circ}\text{F}$ )

- ✓ 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



### 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