

# LOW-PRESSURE TRANSDUCER FOR DIFFERENTIAL/GAGE FOR MEASUREMENT OF CLEAN GASES

$\pm 2.5$  inH<sub>2</sub>O to 0-27.68 inH<sub>2</sub>O  
 $\pm 0.02$  to 0-6.9 kPa

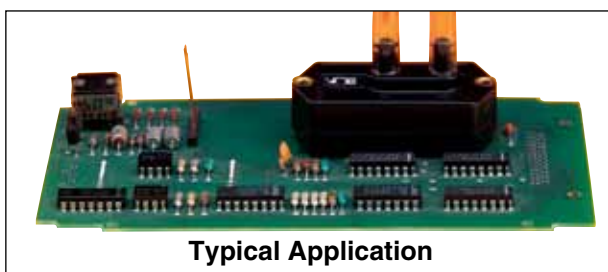


PX163-005BD5V,  
shown actual size.



## PX160 Series

- ✓ Silicon Diaphragm
- ✓ 1 to 6V Output Span
- ✓ Gage, Vacuum, Differential Pressures
- ✓ 8 Vdc Excitation
- ✓ High-Impact Plastic Case
- ✓ Accurate
- ✓ Temperature Compensated



### SPECIFICATIONS

**Excitation:** 8 Vdc regulated  
(6 to 12 Vdc at 20 mA)  
(PX163-120D5V uses 10 Vdc)

**Output:** 1 to 6 Vdc

**Linearity:**  $\pm 1.0\%$  FS BFSL  
at specified voltage;  $\pm 1.5\%$  maximum  
for PX163-120BD5V

**Hysteresis and Repeatability:**  
 $\pm 0.25\%$  FS

**Zero Balance:** 1 Vdc  $\pm 0.05$   
(3.5  $\pm 0.05$  Vdc PX163 Series)

**Operable Temperature Range:**  
-40 to 85°C (-40 to 185°F)

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

**PX163 and 164:**  
5 to 45°C (41 to 113°F)

**Operable Overpressure:** 5 psi

**Media Compatibility:**

**P1:** Dry gases only

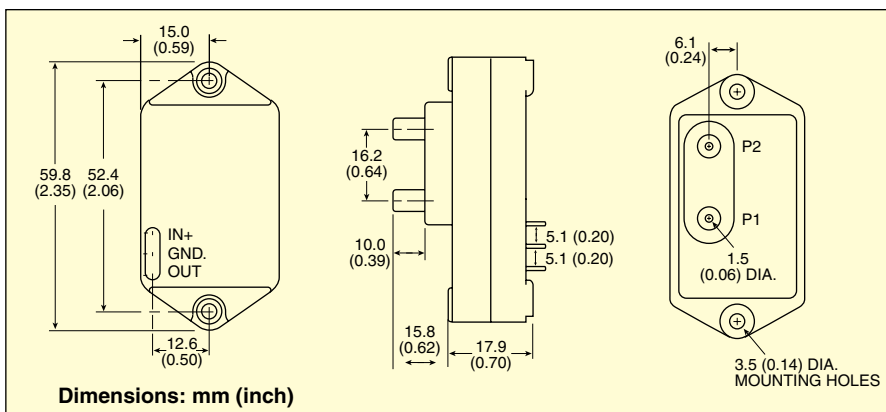
**P2: Gage:** Limited to media that will  
not attack polyester, silicon,  
borosilicate glass or epoxy

**Response Time:** 1 ms

**Mating Connector:** CX136-3,  
(sold separately)

### ACCESSORIES

MODEL NO.	DESCRIPTION
CX136-3	Mating connector
PST-8	8V power supply
PST-10	10V power supply



**To Order Visit [omega.com/px160](http://omega.com/px160) for Pricing and Details**

RANGE		TYPE	MODEL NO.	COMPATIBLE METERS†
inH <sub>2</sub> O	kPa			
0 to 27.68	0 to 6.9	Gage	PX162-027G5V	DP41-E, DP25B-E
0 to 27.68	0 to 6.9	Differential	PX162-027D5V	DP41-E, DP25B-E
$\pm 2.5$	0.623	Differential	PX163-2.5BD5V	DP41-E, DP25B-E
$\pm 5.0$	1.25	Differential	PX163-005BD5V	DP41-E, DP25B-E
0 to 5	0 to 1.25	Differential	PX164-005D5V	DP41-E, DP25B-E
0 to 10	0 to 2.49	Differential	PX164-010D5V	DP41-E, DP25B-E
<b>RANGE cmH<sub>2</sub>O (-7.9 to 47.2 inH<sub>2</sub>O/-0.3 to 1.7 psi)</b>				
-20 to 120	-2 to 11.8	Differential	PX163-120BD5V	DP41-E, DP25B-E

Comes complete with operator's manual.

\* Use PST-8 for 8 Vdc excitation, PST-10 for 10 Vdc excitation, see [omega.com](http://omega.com)

† Visit [omega.com/meters](http://omega.com/meters) for compatible meters.

Ordering Example: PX164-005BD5V, bi-directional  $\pm 5$  psi range transducer.



VOLTAGE OUTPUT  
PRESSURE TRANSDUCERS

**B**