

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

± 2.5 inH₂O to 0-27.68 inH₂O
 ± 0.02 to 0-6.9 kPa

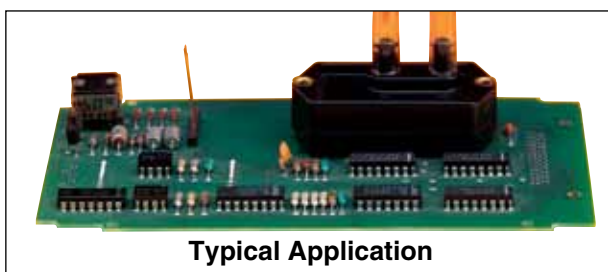


PX163-005BD5V,
shown actual size.



PX160 Series

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



Typical Application

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 ± 0.05
(3.5 ± 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

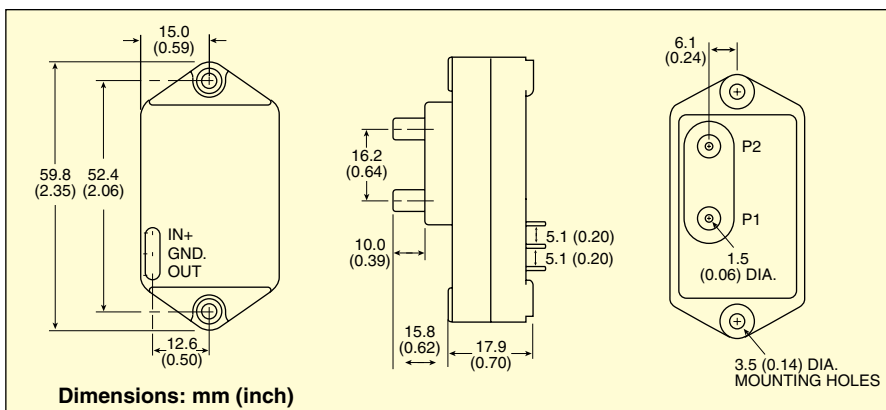
P2: Gage: Limited to media that will
not attack polyester, silicon,
borosilicate glass or epoxy

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



Dimensions: mm (inch)

To Order

RANGE		TYPE	MODEL NO.	COMPATIBLE METERS†
inH ₂ 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
± 2.5	0.623	Differential	PX163-2.5BD5V	DP41-E, DP25B-E
± 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
RANGE cmH₂O (-7.9 to 47.2 inH₂O/-0.3 to 1.7 psi)				
-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

† Visit omega.com/meters for compatible meters.

Ordering Example: PX164-005BD5V, bi-directional ± 5 psi range transducer.



VOLTAGE OUTPUT
PRESSURE TRANSDUCERS

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