

HIGHLY ACCURATE, LOW-PRESSURE INDUSTRIAL TRANSMITTER

0-0.1 to 0-200 inH₂O
0-25 Pa to 0-50 kPa

PX656 Series



Ideal Applications

- ✓ Boiler Inlet Air Systems
- ✓ HVAC
- ✓ Industrial Fume Hoods
- ✓ Level Control

PX656-100DI,
shown smaller
than actual size.



SPECIFICATIONS

Excitation: 12 to 36 Vdc

Output: 4 to 20 mA (2 wire)

Linearity:

PX656: 0.3% full scale BFSL

PX657: 0.15% full scale BFSL

Hysteresis:

PX656: 0.02% full scale

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Repeatability:

PX656: 0.05% full scale

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Operating Temperature: -29 to 85°C
(-20 to 185°F)

Compensated Temperature:
-18 to 72°C (0 to 160°F)

Thermal Effects:

Zero: 0.015% full scale/°F

Span: 0.015% full scale/°F

Proof Pressure: 10 psi

Burst Pressure: 50 psi

Static Pressure: 100 psi

Gage Type: Capacitance

Max Loop Resistance:

(Supply voltage – 12) x 50

Calibration Report: NIST calibration at 25, 50, 75 and 100% full scale; upscale and downscale provided

Response Time: 250 ms

Wetted Parts: Dry, clean non-corrosive gases only

Enclosure: NEMA 4X (IP65)

Dimensions:

137 L x 76 W x 64 mm D (5.4 x 3 x 2.5")

Pressure Port: ¼ FNPT

Electrical Conn: Screw terminal (two ½ FNPT conduit)

Weight: 955 g (2.1 lb)

To Order

RANGE		MODEL NO.	COMPATIBLE METERS
inH ₂ O	Pa		
0 to 0.1	0 to 25	PX656-0.1DI	DP25B-E, DP41-E, DP460-E
0 to 0.25	0 to 62	PX656-0.25DI	DP25B-E, DP41-E, DP460-E
0 to 0.5	0 to 125	PX656-0.5DI	DP25B-E, DP41-E, DP460-E
0 to 1	0 to 249	PX656-01DI	DP25B-E, DP41-E, DP3002-E
0 to 2	0 to 498	PX656-02DI	DP25B-E, DP41-E, DP460-E
0 to 3	0 to 748	PX656-03DI	DP25B-E, DP41-E, DP460-E
0 to 5	0 to 1.25k	PX656-05DI	DP25B-E, DP41-E, DP460-E
0 to 10	0 to 2.49k	PX656-10DI	DP25B-E, DP41-E, DP3002-E
0 to 25	0 to 6.23k	PX656-25DI	DP25B-E, DP41-E, DP460-E
0 to 50	0 to 12.5k	PX656-50DI	DP25B-E, DP41-E, DP460-E
0 to 100	0 to 24.9k	PX656-100DI	DP25B-E, DP41-E, DP460-E
0 to 200	0 to 49.8k	PX656-200DI	DP25B-E, DP41-E, DP460-E
BI-DIRECTIONAL RANGES			
± 0.05	12	PX656-0.05BDI	DP25B-E, DP41-E, DP460-E
± 0.25	62	PX656-0.25BDI	DP25B-E, DP41-E, DP460-E
± 0.5	125	PX656-0.50BDI	DP25B-E, DP41-E, DP460-E
± 1	249	PX656-01BDI	DP25B-E, DP41-E, DP460-E
± 2.5	623	PX656-2.5BDI	DP25B-E, DP41-E, DP460-E
± 5	1.25k	PX656-05BDI	DP25B-E, DP41-E, DP460-E
± 10	2.49k	PX656-10BDI	DP25B-E, DP41-E, DP460-E
± 25	6.23k	PX656-25BDI	DP25B-E, DP41-E, DP460-E
± 50	12.5k	PX656-50BDI	DP25B-E, DP41-E, DP460-E
± 100	24.9k	PX656-100BDI	DP25B-E, DP41-E, DP460-E

Comes complete with operator's manual.

To order the high-accuracy PX657, change "PX656" to "PX657" in model number and add additional cost.

Ordering Examples: PX657-1DI, high-accuracy 0 to 1 inH₂O range transmitter with 4 to 20 mA output.

PX656-01BDI, ±1 psi differential pressure transmitter with 4 to 20 mA output, 0 psi set at 12 mA.