

HIGHLY ACCURATE, LOW-PRESSURE INDUSTRIAL TRANSDUCER

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

PX654 Series



Standard

Ideal Applications:

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

SPECIFICATIONS

Excitation: 12 to 36 Vdc

Output: 1 to 5 Vdc

Linearity: 0.3% full scale (BFSL)

Hysteresis: 0.02% full scale

Repeatability: 0.05% full scale

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

Compensated Temp: -18 to 72°C
(35 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

Supply Current: <5 mA

Calibration Report: NIST cal 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 Connections: Screw terminal (two ½ FNPT conduit)

Weight: 955 g (2.1 lb)

PX654-100D5V,
shown smaller than
actual size.



To Order

RANGE		MODEL NO.	COMPATIBLE METERS
inH ₂ O	Pa		
0 to 0.1	0 to 25	PX654-0.1D5V	DP25B-E, DP41-E, DP460-E
0 to 0.25	0 to 62	PX654-0.25D5V	DP25B-E, DP41-E, DP460-E
0 to 0.50	0 to 125	PX654-0.5D5V	DP25B-E, DP41-E, DP460-E
0 to 1	0 to 249	PX654-01D5V	DP25B-E, DP41-E, DP460-E
0 to 2	0 to 498	PX654-02D5V	DP25B-E, DP41-E, DP460-E
0 to 3	0 to 748	PX654-03D5V	DP25B-E, DP41-E, DP460-E
0 to 5	0 to 1.25k	PX654-05D5V	DP25B-E, DP41-E, DP460-E
0 to 10	0 to 2.49k	PX654-10D5V	DP25B-E, DP41-E, DP460-E
0 to 25	0 to 6.23k	PX654-25D5V	DP25B-E, DP41-E, DP460-E
0 to 50	0 to 12.5k	PX654-50D5V	DP25B-E, DP41-E, DP460-E
0 to 100	0 to 24.9k	PX654-100D5V	DP25B-E, DP41-E, DP460-E
0 to 200	0 to 49.8k	PX654-200D5V	DP25B-E, DP41-E, DP460-E
BI-DIRECTIONAL RANGES			
±0.05	12	PX654-0.05BD5V	DP25B-E, DP41-E, DP460-E
±0.1	25	PX654-0.1BD5V	DP25B-E, DP41-E, DP460-E
±0.25	62	PX654-0.25BD5V	DP25B-E, DP41-E, DP460-E
±0.50	125	PX654-0.5BD5V	DP25B-E, DP41-E, DP460-E
±1	249	PX654-01BD5V	DP25B-E, DP41-E, DP460-E
±2.5	623	PX654-2.5BD5V	DP25B-E, DP41-E, DP460-E
±5	1.25k	PX654-05BD5V	DP25B-E, DP41-E, DP460-E
±10	2.49k	PX654-10BD5V	DP25B-E, DP41-E, DP460-E
±25	6.23k	PX654-25BD5V	DP25B-E, DP41-E, DP460-E
±50	12.5k	PX654-50BD5V	DP25B-E, DP41-E, DP460-E
±100	24.9k	PX654-100BD5V	DP25B-E, DP41-E, DP460-E

Comes complete with operator's manual and NIST traceable calibration.

* See section D for compatible meters.

Ordering Examples: PX654-01D5V, 0 to 1 inH₂O differential pressure range with 1 to 5 Vdc output, 0 = 1 Vdc.

PX654-2.5BD5V, ±2.5 psi differential pressure range with 1 to 5 Vdc output, 0 psi = 3 Vdc.