

# HIGHLY ACCURATE, LOW-PRESSURE INDUSTRIAL TRANSDUCER

0-0.1 to 0-200 inH<sub>2</sub>O  
0-25 Pa to 0-50 kPa

## PX654 Series



PX654-100D5V, shown smaller than actual size.

### 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)

### To Order

RANGE		MODEL NO.	COMPATIBLE METERS
inH <sub>2</sub> 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 inH<sub>2</sub>O 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.

DIFFERENTIAL PRESSURE TRANSDUCERS

**B**