

# ECONOMICAL VERY LOW DP TRANSDUCER WITH BIDIRECTIONAL RANGES

## PX2650 Series



- ✓ For Dry Gases
- ✓ Ranges from 0.25 inH<sub>2</sub>O to 100 inH<sub>2</sub>O
- ✓ For Use in Building Management, HVAC Ducts, or Clean Rooms
- ✓ Works with Unregulated Voltage Source
- ✓ Fully Protected Against Incorrect Wiring



PX2650-1BD5V, shown smaller than actual size.

### SPECIFICATIONS

**Excitation:** 9 to 30 Vdc unregulated  
**Output Impedance:** <100 Ω  
**Output Span:** Set to 5 Vdc ±50 mV  
**Zero Offset:** Set to ±50 mV  
**Accuracy:** ±1% BFSL at constant temperature (includes linearity, repeatability and hysteresis)  
**Linearity:** ±0.98% full scale (typical)  
**Hysteresis:** 0.1% full scale (typical)  
**Repeatability:** ±0.05% full scale  
**Compensated Temperature Range:** -18 to 65°C (0 to 149°F)

**Thermal Effects:** ±0.06%/°C (±0.033%/°F)  
**Proof Pressure:** ±10 psi, all ranges  
**Position Effect:** Factory calibration with diaphragm vertical

Range	Zero Offset (%FS/G)
0 to 0.5 inH <sub>2</sub> O	0.6
0 to 1 inH <sub>2</sub> O	2.2
0 to 5 inH <sub>2</sub> O	1.4

**Sensor:** Capacitive

**Media:** Air or similar non-conducting gases

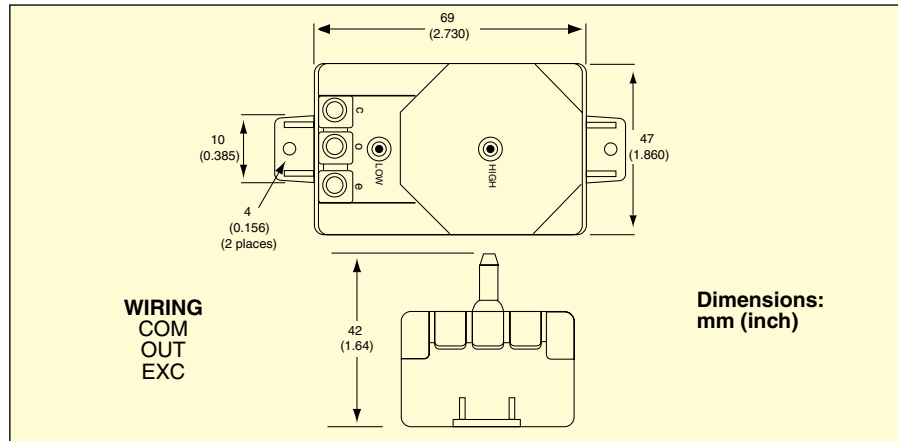
**Pressure Port:** 3/8" OD pressure fitting for 1/4" tube

**Case:** Fire-retardant glass-filled polyester

**Mounting:** 2 tabs with #8 holes

**Electrical Connection:** Screw terminals

**Weight:** 85 g (3 oz)



To Order		
CABLE MODEL NO.	RANGE (inH <sub>2</sub> O)	COMPATIBLE METERS
PX2650-0.5D5V	0 to 0.5	DP41-E, DP25B-E, DP-7700
PX2650-2D5V	0 to 2	DP41-E, DP25B-E, DP-7700
PX2650-10D5V	0 to 10	DP41-E, DP25B-E, DP-7700
PX2650-25D5V	0 to 25	DP41-E, DP25B-E, DP-7700
PX2650-50D5V	0 to 50	DP41-E, DP25B-E, DP-7700
PX2650-100D5V	0 to 100	DP41-E, DP25B-E, DP-7700
PX2650-0.25BD5V	±0.25	DP41-E, DP25B-E, DP-7700
PX2650-1BD5V	±1	DP41-E, DP25B-E, DP-7700
PX2650-2BD5V	±2	DP41-E, DP25B-E, DP-7700
PX2650-5BD5V	±5	DP41-E, DP25B-E, DP-7700
PX2650-10BD5V	±10	DP41-E, DP25B-E, DP-7700
PX2650-25BD5V	±25	DP41-E, DP25B-E, DP-7700
PX2650-50BD5V	±50	DP41-E, DP25B-E, DP-7700

Comes complete with operator's manual.

**Ordering Examples:** PX2650-0.5D5V, differential pressure transducer with range of 0 to 0.5 inH<sub>2</sub>O and 0 to 5V output.

PX2650-2D5V, differential pressure transducer with range of 0 to 2 inH<sub>2</sub>O and 0 to 5V output.