

# LIQUID LOW DIFFERENTIAL PRESSURE TRANSMITTERS **Discontinued**

PX293 Series  
\$470



Shown Smaller Than Actual Size

## PX293 Series 0-6 to 0-200 psid

- ✓ 316 SS Wetted Parts
- ✓ Voltage or Current Outputs
- ✓ Low Power Consumption
- ✓ No Moving Parts to Wear
- ✓ Position Insensitive
- ✓ Reliable Long Term Stability

### Applications

Differential Pressure  
Across Flow Elements  
Heat Exchangers  
Pumps  
Filters  
Liquid Level

**MOST POPULAR MODELS HIGHLIGHTED No Longer Available - DISCONTINUED PRODUCT!!!**

<b>To Order (Specify Model Number)</b>						
RANGE	MODEL NO. 5 Vdc OUTPUT	PRICE	MODEL NO. 4-20 mA OUTPUT	PRICE	OPR STATIC PRESS*	COMPATIBLE METER
0 to 6 psid	PX293-006D5V	470	PX293-006DI	470	100 psi	DP41-E, DP25-E, DP24-E
0 to 10 psid	PX293-010D5V	470	PX293-010DI	470	100 psi	DP41-E, DP25-E, DP24-E
0 to 15 psid	PX293-015D5V	470	PX293-015DI	470	100 psi	DP41-E, DP25-E, DP24-E
0 to 30 psid	PX293-030D5V	470	PX293-030DI	470	300 psi	DP41-E, DP25-E, DP24-E
0 to 60 psid	PX293-060D5V	470	PX293-060DI	470	300 psi	DP41-E, DP25-E, DP24-E
0 to 100 psid	PX293-100D5V	470	PX293-100DI	470	300 psi	DP41-E, DP25-E, DP24-E
0 to 150 psid	PX293-150D5V	470	PX293-150DI	470	300 psi	DP41-E, DP25-E, DP24-E
0 to 200 psid	PX293-200D5V	470	PX293-200DI	470	300 psi	DP41-E, DP25-E, DP24-E

\* Operable static pressure

Note: See Specifications for description of the elevated zero option, \$20 additional.

Ordering Examples: 1.) PX293-010D5V has a range of 10 psid at 5 Vdc and 0 differential pressure at 0 Vdc, \$470.  
2.) PX293-010DI has a range of 10 psid with at 20 mA and 0 differential pressure at 4 mA, \$470.

# 0 TO 5 Vdc OR 4 TO 20 mA OUTPUTS 316 STAINLESS STEEL WETTED PARTS

# No Longer Available! PX293 DISCONTINUED

The PX293 Series of differential pressure transmitters are designed to measure differential pressures of fluids or gases. A broad range selection is available to meet most industrial and laboratory applications.

The transmitters are housed in a rugged, gasketed, cast aluminum case that's designed to NEMA 4 and IP65 standards. Wall mounting holes are enclosed in the casting. Access to the terminals is made through 1/2" conduit knockouts on the front of the box. There are no moving parts and the transducers are virtually position insensitive. The span and zero adjustments are made via 20 turn potentiometers for easy, fine adjustments.

The pressure transmitter uses two high accuracy, high stability piezoresistive sensors with stainless steel isolation diaphragms. Either sensor may be disconnected without overpressurizing the other.

## SPECIFICATIONS

**General:** Measures differential, gage pressure, or Vacuum.

**Excitation:** 11 to 32 Vdc reverse polarity protected

**Voltage Output Models:**

0 to 5 Vdc 3-wire, source or sink  
3.5 mA, short circuit protected,  
current draw = 10 mA

**Current Output Models:**

4 to 20 mA, output limited to  
approximately 3.85 mA at low end and  
25 mA at high end.

**Maximum Current Loop Resistance:**

$$R_L = (V_S - 11) \times 50$$

**Accuracy:** Range > 6 psi =  $\pm 0.5\%$

6 psi range =  $\pm 1\%$   
includes linearity, hysteresis.

**Static Pressure Effect:**

Range = 6 psi =  $< \pm 0.5\%$  for 0-100%

Range > 6 psi =  $< \pm 0.25\%$  for 0-100%

**Calibration:** NIST Traceable

**Operating Temperature:**

0 to 50°C (32 to 122°F)

**Temperature Effects:**

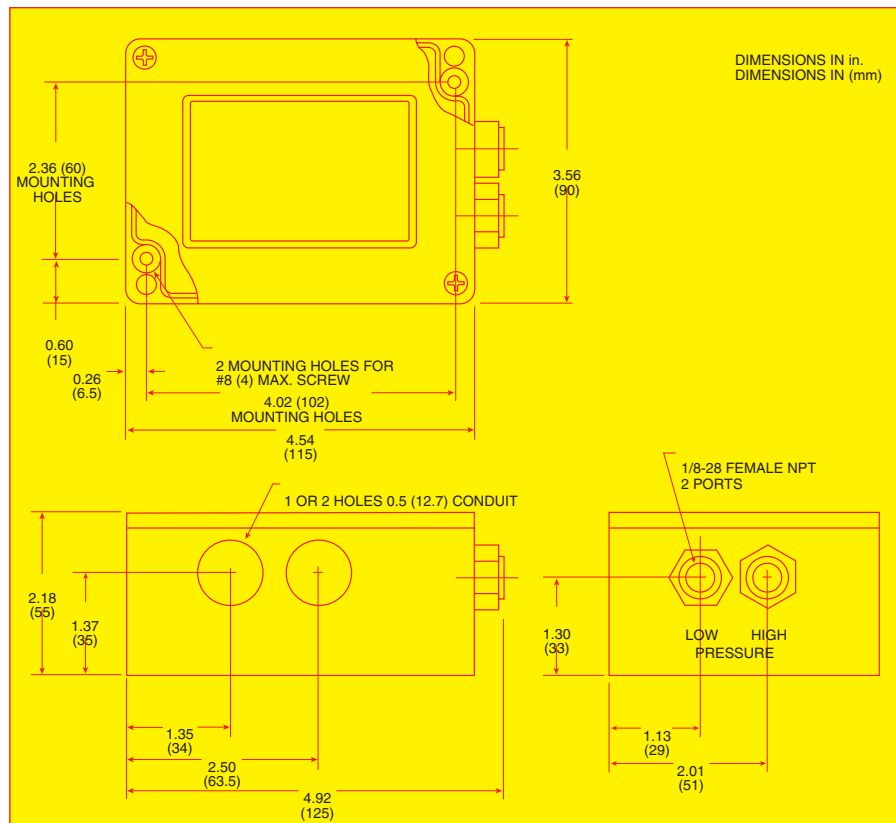
Zero:  $\pm 0.05\%/^{\circ}\text{C}$

Span:  $\pm 0.03\%/^{\circ}\text{C}$

**Operating Humidity Range:** 10 to 90%  
non-condensing

**Shock Resistance:** 10 g's (11ms)

**Vibration Resistance:** 5 g's to 50 Hz



**Overpressure:** 2x operating static pressure (see To Order table)

**Pressure Connection:** 1/8-28 female NPT

**Wetted Parts:** 316 Stainless Steel

**Electrical Connection:** Pluggable terminal block for 14 to 26 AWG  
Connection to enclosure ground is provided

**Case Material:** Aluminum Alloy #A380  
with Black Epoxy Coated

**Dimensions:** 3.56 W x 4.54 L x 2.18" H  
(90 x 115 x 55 mm)

**Weight:** 1.2 lb (540 g)

## DISCONTINUED PRODUCT

DIFFERENTIAL  
PRESSURE TRANSDUCERS  
**B**



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