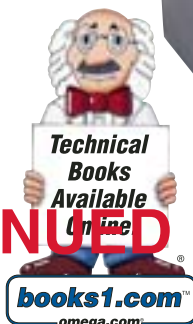


# RUGGED WET/WET DIFFERENTIAL PRESSURE TRANSDUCER WITH 316 SS/HASTELLOY® WETTED PARTS **DISCONTINUED**

**PX821**

Starts at  
**\$1325**

**DISCONTINUED**



**DISCONTINUED**



PX821-010DV, \$1325, shown smaller than actual size.

- ✓ **High Accuracy:**  $\pm 0.1\%$  BFSL
- ✓ **316 Stainless Steel and Hastelloy Wetted Parts for Corrosive Media Compatibility**
- ✓ **Rugged All Welded Construction**
- ✓ **Excellent Stability:**  $\pm 0.1\%$  per 12 Months

The OMEGA® PX821 Series consists of high-accuracy, lightweight, wet/wet differential pressure transducers. For compatibility with a variety of liquid and gaseous media, both the positive and negative pressure ports are manufactured from Hastelloy C276 and 316L stainless steel. In addition, the rugged, all-welded construction ensures excellent resistance to shock, vibration, and overload.

## SPECIFICATIONS

**Excitation:** 10 Vdc regulated

**Output:** 50 mV for 5 psi range  
100 mV all other ranges

**Output Impedance:** 1000  $\Omega$  nominal

**Load Impedance:** >100 k $\Omega$  for rated performance

**Accuracy:**  $\pm 0.1\%$  BFSL (combined linearity, hysteresis and repeatability)

**Zero Offset:**  $\pm 3$  mV max

**Temp Range:** -20 to 80°C (-5 to 175°F)

**Temp Effects:**  $\pm 1.5\%$  FS total error band from -20 to 80°C (-5 to 175°F)

**Max Static Pressure:** 1000 psi

**Overpressure:** Operating pressure range can be exceeded by the following multiples, causing negligible calibration change:

**Positive Connection:** 6x for 5 psi range,  
4x for 10 psi and above to 2000 psi max

## CONNECTIONS

RED	+EXC
WHITE	-EXC
YELLOW	+SIG
BLUE	-SIG
SHIELD	nc to transducer body

**Negative Connection:** 4x for 5 psi range, 2x for 10 to 75 psi ranges, 150 psi max for higher ranges

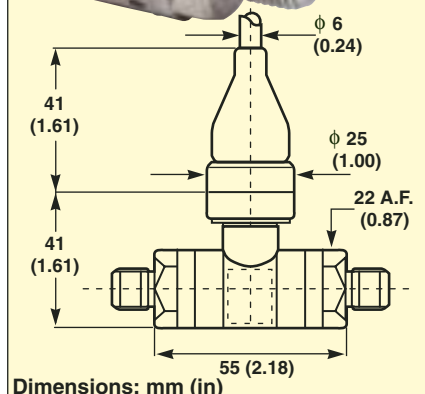
**Vibration Effects:** Less than 0.05% FS/g @ 30g 10 Hz to 2 kHz

**Wetted Parts:** 316L SS and Hastelloy C276

**Pressure Connections:** 1/4-18 NPTM

**Electrical Connection:** 1 m (3') shielded cable

**Weight:** 218 g (7.7 oz)



Dimensions: mm (in)

**DISCONTINUED** MOST POPULAR MODELS HIGHLIGHTED!

## To Order (Specify Model Number)

RANGE		MODEL NO.	PRICE	COMPATIBLE METERS*
psid	bar			
0 to 5	0 to 0.34	PX821-005DV	\$1325	DP41-S, DP25B-S, DP87
0 to 10	0 to 0.69	PX821-010DV	1325	DP41-S, DP25B-S, DP87
0 to 15	0 to 1.0	PX821-015DV	1325	DP41-S, DP25B-S, DP87
0 to 20	0 to 1.4	PX821-020DV	1325	DP41-S, DP25B-S, DP87
0 to 30	0 to 2.1	PX821-030DV	1325	DP41-S, DP25B-S, DP87
0 to 50	0 to 3.4	PX821-050DV	1325	DP41-S, DP25B-S, DP87
0 to 75	0 to 5.2	PX821-075DV	1325	DP41-S, DP25B-S, DP87
0 to 100	0 to 6.9	PX821-100DV	1325	DP41-S, DP25B-S, DP87
0 to 200	0 to 13.8	PX821-200DV	1325	DP41-S, DP25B-S, DP87
0 to 300	0 to 20.7	PX821-300DV	1325	DP41-S, DP25B-S, DP87
0 to 500	0 to 34.5	PX821-500DV	1325	DP41-S, DP25B-S, DP87
0 to 900	0 to 62	PX821-900DV	1325	DP41-S, DP25B-S, DP87

Comes with complete operator's manual. \* See section D for compatible meters.

**Ordering Example:** PX821-020DV and DP41-S, wet/wet differential pressure transducer with 0 to 20 psid range and compatible meter, \$1325 + 545 = **\$1870**.

## ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1755	\$150	Reference Book: Practical Guide to Pressure Vessel Manufacturing

**DISCONTINUED**



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[www.omega.com](http://www.omega.com)  
1-800-TC-OMEGA  
Stamford, CT.

#### CANADA

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Laval(Quebec)  
1-800-TC-OMEGA

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Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

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