

# WET/WET CURRENT OUTPUT DIFFERENTIAL PRESSURE TRANSMITTER

## ALL STAINLESS STEEL WETTED PARTS

### PX273 Series

TX4-100 wire,  
\$28.50 for  
30 m (100').

PX273-030DI, \$475,  
shown smaller than  
actual size.



DP41-E meter, \$545,  
sold separately, shown  
smaller than actual  
size, see section D.



PS-8G  
snubbers,  
\$10 ea.

Starts at  
**\$475**



- ✓ Liquids Can be Applied to Both Ports
- ✓ Zero and Span Adjustments for Field Calibration
- ✓ Immune to Mounting Orientation or Vibration Errors
- ✓ Rugged Steel NEMA 1 (IP40) Enclosure
- ✓ Solid State Reliability

The OMEGA PX273 is an all stainless steel wet/wet differential pressure transmitter, incorporating dual diffused piezoresistive sensing elements with stainless steel media isolation. The unit is compatible with all media encountered in industrial applications, including freon, ammonia, treated water, and steam. The PX273 is ideal for monitoring and controlling pump differential pressure, CW/HW system differential pressure, chiller/boiler differential pressure drop, and many other industrial applications.

### SPECIFICATIONS

**Excitation:** 24 Vdc @ 50 mA  
**Output:** 4 to 20 mA  
**Accuracy:**  $\pm 0.75\%$  FS  
**Zero Adjustment:**  $\pm 50\%$  FS  
**Span Adjustment:**  $\pm 25\%$  FS  
**Operating Temp:** -18 to 82°C (0 to 180°F)  
**Compensated Temp:** -18 to 65°C (0 to 150°F)  
**Thermal Effects:**  
**Zero:**  $\pm 0.025\%$  FS/°F  
**Span:**  $\pm 0.01\%$  FS/°F

**Max Static Pressure:** 200% FS (each port)  
**Proof Pressure:** 200% FS (each port)  
**Burst Pressure:** 500% FS  
**Max Loop Res:** 50 x (voltage supply - 14)  
**Response Time:** 400 ms  
**Gage Type:** Chemical vapor deposition  
**Wetted Parts:** 316 stainless steel  
**Pressure Port:** 1/8 NPTF  
**Electrical Conn:** Screw terminals  
**Weight:** 0.68 kg (1.5 lb)  
**Case:** 16-gage steel  
**Dimensions:** 51 H x 127 W x 89 mm D (2 x 5 x 3.5")

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

RANGE		MODEL NO.	PRICE	COMPATIBLE METERS**
0 to 20 psid	0 to 1.4 bar	PX273-020DI	\$475	DP41-E,* DP25B-E,* DP24-E*
0 to 30 psid	0 to 2.1 bar	PX273-030DI	475	DP41-E,* DP25B-E,* DP24-E*
0 to 50 psid	0 to 3.4 bar	PX273-050DI	475	DP41-E,* DP25B-E,* DP24-E*
0 to 100 psid	0 to 6.9 bar	PX273-100DI	475	DP41-E,* DP25B-E,* DP24-E*
0 to 200 psid	0 to 13.8 bar	PX273-200DI	475	DP41-E,* DP25B-E,* DP24-E*
0 to 300 psid	0 to 20.7 bar	PX273-300DI	475	DP41-E,* DP25B-E,* DP24-E*

Comes with complete operator's manual.

\* Requires an external power supply, model U24Y101 (see page C-18).

\*\* See section D for compatible meters.

**Ordering Example:** PX273-020DI, wet/wet differential transmitter with 0 to 20 psid range, two PS-8 snubbers and TX4-100, shielded wire, \$475 + 20 + 28.50 = \$523.50.

### ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
TX4-100	\$28.50	30 m (100') of 4-conductor shielded wire
PS-8G	10.00	Pressure snubber for gaseous media
PS-8E	10.00	Pressure snubber for liquids and light oils
PS-8D	10.00	Pressure snubber for dense liquids (motor oils)
CH-5667	110.00	Reference Book: Handbook of Mass Measurement

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