

WET/WET CURRENT OUTPUT DIFFERENTIAL PRESSURE TRANSMITTER

ALL STAINLESS STEEL WETTED PARTS



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

PX273-030DI, shown smaller than actual size.

DP41-E meter, sold separately, shown smaller than actual size.

PS-8G snubbers.

Metric thread adaptors and snubbers available.

PX273 Series



- ✓ 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: ±0.75% full scale
Zero Adjustment: ±50% full scale
Span Adjustment: ±25% full scale
Operating Temp: -18 to 82°C (0 to 180°F)
Compensated Temp: -18 to 65°C (0 to 150°F)
Thermal Effects:
Zero: ±0.025% full scale/°F
Span: ±0.01% full scale/°F

Max Static Pressure: 200% full scale (each port)
Proof Pressure: 200% full scale (each port)
Burst Pressure: 500% full scale
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 FNPT
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")

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

Comes complete with operator's manual.
 * External power supply required for use with these meters, model U24Y175.
 ** Visit us online for compatible meters.
Ordering Example: PX273-020DI, wet/wet differential transmitter with 0 to 20 psid range, two PS-8G snubbers and TX4-100, shielded wire.

ACCESSORIES

MODEL NO.	DESCRIPTION
TX4-100	30 m (100') of 4-conductor shielded wire
PS-8G	Pressure snubber for gaseous media
PS-8E	Pressure snubber for liquids and light oils
PS-8D	Pressure snubber for dense liquids (motor oils)
U24Y175	Power supply, 24 Vdc @ 175 mA

DIFFERENTIAL PRESSURE TRANSDUCERS **B**