

WET/WET DIFFERENTIAL PRESSURE TRANSMITTER

Metric thread adaptors and snubbers available, visit us online

0-5 to 0-1000 psid
0-0.3 to 0-69 bar

Low Differential Pressure:

0-1 to 0-25 inH₂O
0-250 Pa to 6 kPa

PX154 Series



PS-8 snubber, sold separately.



- ✓ Zero and Span Controls for Easy Adjustment
- ✓ Weatherproof NEMA 4 (IP65) Enclosure
- ✓ Low Differential Pressure Measurements available
- ✓ Bi-Directional Ranges Available

The OMEGA PX154 transmitter provides an accurate, reliable, and economical means for monitoring differential pressures in HVAC automation, pneumatic systems, and process control. The output can be easily interfaced with chart recorders, data loggers, and computerized monitoring and control systems. Modern, low-pressure chemical vapor deposition methods provide simple, stable molecular bonds between a proven metal diaphragm and a polysilicone strain gage bridge. The integral metal diaphragm and polysilicone bridge are virtually unaffected by shock, vibration, or mounting.

PX157-005DI, shown much smaller than actual size.

SPECIFICATIONS

Excitation: 24 Vdc (18 to 30 Vdc)
Output: 4 to 20 mA
Accuracy: $\pm 0.75\%$ FS/BFSL
Zero Balance: 1%
Zero and Span Adjustment: 10%
PX157: Operating Temperature: -40 to 120°C (-40 to 248°F)
Compensated Temperature: -30 to 80°C (-22 to 176°F)
PX154: Compensated Temp: 0 to 50°C (32 to 122°F)
Thermal Effects:
PX157: Zero: $\pm 0.02\%/^{\circ}\text{C}$
Span: $\pm 0.02\%/^{\circ}\text{C}$
PX154: Zero: $\pm 0.03\%$ full scale/ $^{\circ}\text{C}$ ($\pm 0.05\%$ full scale/ $^{\circ}\text{F}$)
Span: $\pm 0.03\%$ rdg/ $^{\circ}\text{C}$ ($\pm 0.05\%$ rdg/ $^{\circ}\text{F}$)
Proof Pressure:
PX157: 2x FS
PX154: 1.3 bar (20 psi)

Common Line Pressure: 1.3 bar (20 psi)

Burst Pressure:
PX157: 3x FS
PX154: 4 bar (60 psi)
Pressure Port: 1/8 FNPT
Response Time: 100 ms
Humidity Effects: 5 to 99% RH (non-condensing)
Media Compatibility:
PX157: Liquids or gases compatible with brass and 17-4 PH stainless steel
PX154: Liquids or gases compatible with brass, vinyl, polyester, silica and fluorosilicone
Termination: Screw terminal block
Enclosure: Epoxy coated, steel enclosure, NEMA 4 (IP65) rating
Dimensions: 141 x 75 x 94 mm (59/16 x 215/16 x 39/16")
Weight: 454 g (1.0 lb)

Comes complete with operator's manual.

* Visit us online for compatible meters.

To Order

MODEL NO.	RANGE		COMPATIBLE METERS*	DESCRIPTION
PX154-001DI	0 to 1 inH ₂ O	0 to 249 Pa	DP24-E, DP25B-E, DP41-E	
PX154-003DI	0 to 3 inH ₂ O	0 to 748 Pa	DP24-E, DP25B-E, DP41-E	
PX154-005DI	0 to 5 inH ₂ O	0 to 1.25 kPa	DP24-E, DP25B-E, DP41-E	
PX154-010DI	0 to 10 inH ₂ O	0 to 2.49 kPa	DP24-E, DP25B-E, DP41-E	
PX154-025DI	0 to 25 inH ₂ O	0 to 6.23 kPa	DP24-E, DP25B-E, DP41-E	
<i>Accessories</i>				
Ps-8G				Pressure snubber for gaseous media
Ps-8e				Pressure snubber for water and light oils
Ps-8D				Pressure snubber for dense liquids (motor oil)
TX4-100				30 m (100') spool of 4-conductor shielded wire

Ordering Examples: PX154-005DI, low differential pressure transmitter with range of 0 to 5.0 inH₂O differential.

PX154-001DI, low differential pressure transmitter with range of 0 to 1 inH₂O.