

WET/WET DIFFERENTIAL PRESSURE TRANSMITTER

STAINLESS STEEL AND BRASS CONSTRUCTION

Metric thread adaptors and snubbers available, visit us online

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

PX157 Series



- ✓ Liquids Can be Applied to Both Ports
- ✓ Zero and Span Adjustments for Field Calibration
- ✓ Rugged Steel NEMA 4 (IP65) Enclosure
- ✓ Bi-Directional Ranges Available

The OMEGA PX157 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



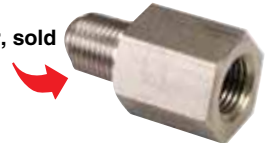
PX157-005DI, shown much smaller than actual size.

bridge. The integral metal diaphragm and polysilicone bridge are virtually unaffected by shock, vibration, or mounting.

SPECIFICATIONS

- Excitation:** 24 V DC unregulated
- Output:** 4 to 20 mA
- Accuracy:** $\pm 0.75\%$ FS
- Zero and Span Adjustment:** $\pm 10\%$
- Operating Temperature:** -40 to 120°C (-40 to 248°F)
- Compensated Temperature:** -30 to 80°C (-22 to 176°F)
- Thermal Stability:**
 - Zero:** $\pm 0.02\%/^{\circ}\text{C}$
 - Span:** $\pm 0.02\%/^{\circ}\text{C}$

PS-8 snubber, sold separately.



- Proof Pressure:** 2x FS
- Burst Pressure:** 3x FS
- Response Time:** 100 ms
- Humidity Effects:** 5 to 99% RH (non-condensing)
- Media Compatibility:** Liquids or gases compatible with brass and 17-4 PH stainless steel
- Enclosure:** Gasketed steel epoxy painted with NEMA 4 (IP65) rating
- Pressure Port:** $\frac{1}{8}$ FNPT
- Dimensions:** 141 x 75 x 94 mm ($5\frac{5}{16}$ x $2\frac{15}{16}$ x $3\frac{3}{16}$ ")

To Order

RANGE		MODEL NO.	COMPATIBLE METERS*
0 to 5 psid	0 to 0.34 bar	PX157-005DI	DP41-E, DP25B-E, DP302-E
0 to 10 psid	0 to 0.69 bar	PX157-010DI	DP41-E, DP25B-E, DP302-E
0 to 15 psid	0 to 1.0 bar	PX157-015DI	DP41-E, DP25B-E, DP302-E
-15 to 15 psid	-1 to 1.0 bar	PX157-015BDI	DP41-E, DP25B-E, DP302-E
0 to 30 psid	0 to 2.1 bar	PX157-030DI	DP41-E, DP25B-E, DP302-E
-15 to 45 psid	-1 to 3.1 bar	PX157-15/45BDI	DP41-E, DP25B-E, DP3002-E
0 to 60 psid	0 to 4.1 bar	PX157-060DI	DP41-E, DP25B-E, DP3002-E
0 to 100 psid	0 to 6.9 bar	PX157-100DI	DP41-E, DP25B-E, DP3002-E
0 to 150 psid	0 to 10.3 bar	PX157-150DI	DP41-E, DP25B-E, DP3002-E
0 to 200 psid	0 to 13.8 bar	PX157-200DI	DP41-E, DP25B-E, DP3002-E
0 to 300 psid	0 to 20.7 bar	PX157-300DI	DP41-E, DP25B-E, DP3002-E
0 to 500 psid	0 to 34.5 bar	PX157-500DI	DP41-E, DP25B-E, DP3002-E
0 to 750 psid	0 to 51.7 bar	PX157-750DI	DP41-E, DP25B-E, DP3002-E
0 to 1000 psid	0 to 68.9 bar	PX157-1KDI	DP41-E, DP25B-E, DP3002-E

Comes complete with operator's manual.

* Visit us online for compatible meters.

Pressure snubbers PS-8G (gas), PS-8E (liquids) or PS-8D (dense liquids) should be installed on transmitters.

Ordering Example: PX157-015BDI, wet/wet differential transmitter with ± 5 psid range.