

WET/WET DIFFERENTIAL PRESSURE TRANSMITTER

A Yhf]W'h \ fYUX''
 UXUdhc'fg'UbX'
 gb i VVYfg'U jUj'UV'Yz'
 j]g]h' i g'cb'j]bY

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



- ✓ Zero and Span Controls for Easy Adjustment
- ✓ Weatherproof NEMA 4 (IP65) Enclosure
- ✓ Low Differential Pressure Measurements available
- ✓ 6]!8]fYWh]cbU' FUb [Yg' 5 jU] UV'Y

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.

DL%)+!\$\$) 8-z''
 g\c'kb' a iW\''
 gaU''Yf'h\Ub'UWh i U''g]nY'

GD97::=75h=cBG

- Excitation:** 24 Vdc (18 to 30 Vdc)
- Output:** 4 to 20 mA
- Accuracy:** •)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:** •)0.02%/°C
- Span:** •)0.02%/°C
- PX154: Zero:** •)0.03% full scale/°C (•)0.05% full scale/°F)
- Span:** •)0.03% rdg/°C (•)0.05% rdg/°F)
- Proof Pressure:**
- PX157:** 2x FS
- PX154:** 1.3 bar (20 psi)

DG!, 'gb i VVYfz' gc'X'
 gYdUfUhY'm'

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
DL%)(!\$\$)8=	0 to 1 inH ₂ O	0 to 249 Pa	DP24-E, DP25B-E, DP41-E
DL%)(!\$\$)8=	0 to 3 inH ₂ O	0 to 748 Pa	DP24-E, DP25B-E, DP41-E
DL%)(!\$\$)8=	0 to 5 inH ₂ O	0 to 1.25 kPa	DP24-E, DP25B-E, DP41-E
DL%)(!\$\$)8=	0 to 10 inH ₂ O	0 to 2.49 kPa	DP24-E, DP25B-E, DP41-E
DL%)(!\$\$)8=	0 to 25 inH ₂ O	0 to 6.23 kPa	DP24-E, DP25B-E, DP41-E
Accessories			
Dg!, ;			Pressure snubber for gaseous media
Dg!, Y			Pressure snubber for water and light oils
Dg!, 8			Pressure snubber for dense liquids (motor oil)
HL(!\$\$)			30 m (100') spool of 4-conductor shielded wire

CfXYf]b['9IU a d'Yg. DL%)(!\$\$)8=, low differential pressure transmitter with range of 0 to 5.0 inH₂O differential.

DL%)(!\$\$)8= low differential pressure transmitter with range of 0 to 1 inH₂O.