



\$380
Model Shown

**PX42 Series
mV/V Output**

**0-3 to 0-30 psi
0-200 mbar to 0-2 bar**

1 bar = 14.5 psi
1 kg/cm² = 14.22 psi
1 Atmosphere = 14.7 psi = 29.93 in-Hg = 760.2 mm-Hg = 1.014 bar

- ☑ All Stainless Steel Construction
- ☑ Optional Hastelloy C Construction
- ☑ Processing and Industrial Applications
- ☑ Large Flush Diaphragm for Plug Free Measurement of Difficult Fluids
- ☑ 10 ft Vented Cable with Conduit Connection on Body for Installation in Harsh Environments
- ☑ Heavy Duty 1" NPT Fitting

The OMEGADYNE™ PX42 Series is a high accuracy, millivolt output, industrial pressure transducer with a specially designed flush diaphragm for use with industrial fluids and slurries that are difficult to measure due to sticking or plugging of orifices. Its

**For Sales and Service
In U.S.A. and Canada**

1-800-872-3963
1-800-USA-DYNE

**International Customers Dial
(614) 965-9340
24-Hour FAX (614) 965-9438**

OMEGADYNESM FAX

OMEGADYNE's 24-Hour
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1-800-344-3963
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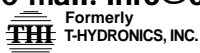
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OMEGADYNE, Inc.

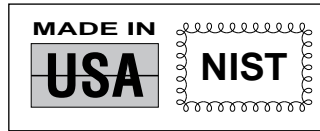
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SPEC SHEET

PX42-mV

*Interchangeable with
Model TH-LC2-FD*

1" FLUSH DIAPHRAGM LOW PRESSURE TRANSDUCER



Model PX42G7-008GV

Shown Smaller than Actual Size

hermetically sealed, all stainless steel construction makes it suitable for the harshest industrial environments. Ten feet of vented four conductor shielded cable is standard with a 1/2" NPT fitting on the body for conduit installation. Pressure Ranges from 0-3 up to 30 psi are available to cover most processing and industrial applications.

SPECIFICATIONS:

Electrical:

Excitation: 10 V ac/dc (15 V Max)

Output: 1.5 mV/V

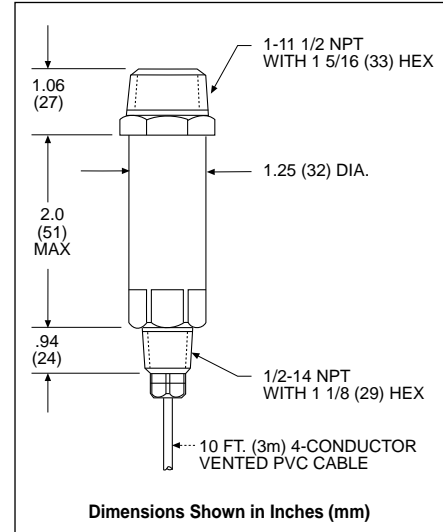
Input Resistance: 370 Ohms Min.

Output Resistance: 350 Ohms ±5

Zero Balance: ±2.0% FSO

Performance:

Accuracy Class: 0.5% Linearity, Hysteresis, and Repeatability Combined



Dimensions Shown in Inches (mm)

Environmental:

Operational Temp Range:
-54 to 121°C (-65 to 250°F)

Compensated Temp Range:
16 to 71°C (60 to 160°F)

Thermal Effects:
Span: 0.02% of Rdg/°F
Zero: 0.01% of FSO/°F

Pressure:

Ranges (psig): 3, 5, 8, 10, 15, 30

Proof Pressure:

≤5 psi: 300% of rated pressure
>5 psi: 200% of rated pressure

Burst Pressure:

500% of rated pressure

Mechanical:

Wetted Parts: 316 Stainless Steel
Optional: Hastelloy C-276

Pressure Port: 1-11½ NPT Male

Electrical Connection: 10 ft (3m)
4-conductor shielded vented PVC cable

► *Most Popular Models Highlighted* ◀

Prices Shown in U.S. Dollars

To Order: (Specify Model Number)			
Range (psig)	Model Number	Price	Compatible Meters
0-3	PX42G7-003GV	\$380	INFS, INFCS
0-5	PX42G7-005GV	380	INFS, INFCS
0-8	PX42G7-008GV	380	INFS, INFCS
0-10	PX42G7-010GV	380	INFS, INFCS
0-15	PX42G7-015GV	380	INFS, INFCS
0-30	PX42G7-030GV	380	INFS, INFCS

Interchangeable with Model TH-LC2-FD Metric Ranges Available - Consult Engineering

To order Hastelloy C-276 models add suffix "-HASTC" to the part number, add \$75 to price.

Ordering Examples: 1.) **PX42G7-008GV-HASTC** is an 8 psi gage model with Hastelloy C-276 wetted parts, \$380+75 = **\$455**.

2.) **PX42G7-003GV** is a 3 psi gage model with Stainless Steel wetted parts, **\$380**.

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