

FLUSH DIAPHRAGM LOW-PRESSURE TRANSMITTER

STANDARD OR METRIC MODELS

PX42/PXM42 Series
4 to 20 mA Output
0-3 to 0-30 psi-Standard Models
0-210 mbar to 0-1.6 bar-Metric Models

1 bar = 14.5 psi
 1 kg/cm² = 14.22 psi
 1 atmosphere = 14.7 psi = 29.93 inHg = 760.2 mmHg = 1.014 bar

All Ranges
\$530



- ✓ **Stainless Steel Construction**
- ✓ **For Processing and Industrial Applications**
- ✓ **Large Flush Diaphragm for Plug-Free Measurement of Difficult Fluids**
- ✓ **3 m (10') Cable with Conduit Connection on Body for Installation in Harsh Environments**
- ✓ **4 to 20 mA**

OMEGA's PX42/PXM42 are high-accuracy, current output, industrial pressure transmitter with a specially designed flush diaphragm for use with industrial fluids and slurries that are difficult to measure because of sticking or plugging of orifices. Their hermetically sealed, all stainless steel construction makes them suitable for the harshest industrial environments.

SPECIFICATIONS

Excitation: 12 to 40 Vdc
Output: 4 to 20 mA ±10% adj
Zero Balance: 4 mA +10% -2% FSO adj
Accuracy: 0.25% linearity, hysteresis and repeatability combined
Operating Temp Range: -54 to 121°C (-65 to 250°F)
Compensated Temp Range: 16 to 71°C (60 to 160°F)

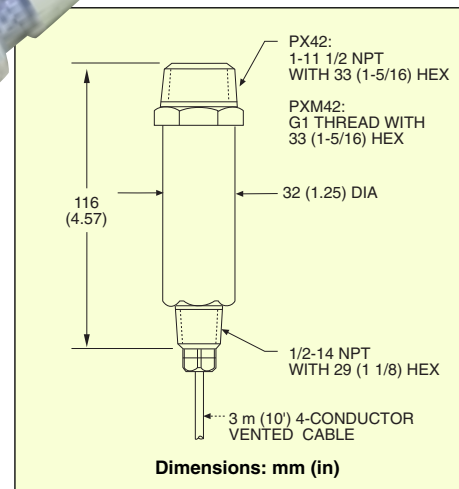
STANDARD
 PX42G7-005GI,
 \$530, shown
 actual size.



Ferrite core for noise immunity included.

All models with vented cable ("G7") are supplied with a desiccant.

Thermal Effects:
Span: 0.009% of rdg/°C
Zero: 0.009% of FSO/°C
Proof Pressure: 200% of capacity
Burst Pressure: 500% of capacity
Wetted Parts: 316 SS with Inconel® diaphragm
Pressure Port: See dimensional drawing
Electrical Connection: 3 m (10') 2-conductor vented cable with 1/2-14 NPT conduit fitting, with desiccant to protect vent from moisture



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)				
RANGE		MODEL NO.	PRICE	COMPATIBLE METERS*
psig	bar			
1 NPT STANDARD MODELS				
0 to 3	0 to 0.21	PX42G7-003GI	\$530	DP41-E, DP25B-E, DP24-E
0 to 5	0 to 0.34	PX42G7-005GI	530	DP41-E, DP25B-E, DP24-E
0 to 8	0 to 0.55	PX42G7-008GI	530	DP41-E, DP25B-E, DP24-E
0 to 10	0 to 0.69	PX42G7-010GI	530	DP41-E, DP25B-E, DP24-E
0 to 15	0 to 1.0	PX42G7-015GI	530	DP41-E, DP25B-E, DP24-E
0 to 30	0 to 2.1	PX42G7-030GI	530	DP41-E, DP25B-E, DP24-E
G1 METRIC MODELS				
bar	psig	MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 400 ^{mbar}	0 to 5.8	PXM42MG7-400MBARGI	\$530	DP41-E, DP25B-E, DP24-E
0 to 1.0	0 to 14.5	PXM42MG7-001BARGI	530	DP41-E, DP25B-E, DP24-E
0 to 1.6	0 to 23	PXM42MG7-1.60BARGI	530	DP41-E, DP25B-E, DP24-E

Comes complete with 5-point NIST traceable calibration.
 * See section D for compatible meters.
Ordering Examples: PX42G7-003GI, 1 NPT unit with 3 psig range, \$530.
 PXM42MG7-001BARGI, G1 metric unit with 1 bar range, \$530.