

1 NPT FLUSH DIAPHRAGM LOW-PRESSURE TRANSMITTER

PX42 Series
4 to 20 mA Output
0-8 to 0-30 psi
0-0.5 mbar to 0-2 bar

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



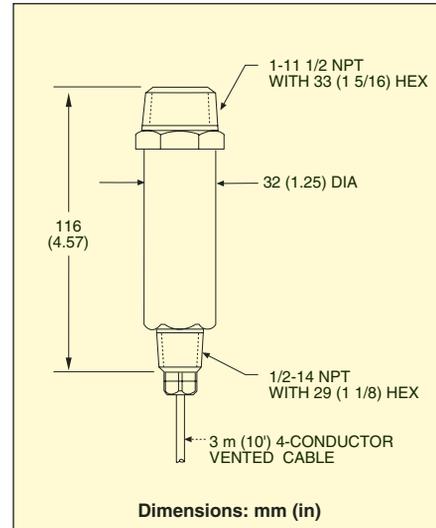
- ✓ **Stainless Steel Construction**
- ✓ **For Processing and Industrial Applications**
- ✓ **Large Flush Diaphragm for Plug-Free Measurement of Difficult Fluids**
- ✓ **3 m (10') Cable with Conduit Connection on Body for Installation in Harsh Environments**
- ✓ **Heavy-Duty 1 NPT Fitting**
- ✓ **4 to 20 mA Output to Interface with Most Industrial Controls**

OMEGA's PX42 is a 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. Its hermetically sealed, all stainless steel construction makes it suitable for the harshest industrial environments. Three meters (10') of 2-conductor shielded cable is standard with a 1/2 NPT fitting on the body for conduit installation. Pressure ranges from 0 to 8 up to 0 to 30 psi are available to cover low-pressure processing and industrial applications.



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

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



SPECIFICATIONS

Excitation: 10 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: -46 to 121°C (-50 to 250°F)
Compensated Temp Range: 16 to 71°C (60 to 160°F)
Thermal Effects:
Span: 0.09% of rdg/°C
Zero: 0.09% of FSO/°C

Proof Pressure: 150% of capacity
Burst Pressure: 300% of capacity
Wetted Parts: 316 SS with Inconel® diaphragm
Pressure Port: 1-11½ NPT male
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*
0 to 8 psig 0 to 0.55 bar	PX42G7-008GI	\$530	DP41-E, DP25B-E, DP24-E
0 to 10 psig 0 to 0.69 bar	PX42G7-010GI	530	DP41-E, DP25B-E, DP24-E
0 to 15 psig 0 to 1.0 bar	PX42G7-015GI	530	DP41-E, DP25B-E, DP24-E
0 to 30 psig 0 to 2.1 bar	PX42G7-030GI	530	DP41-E, DP25B-E, DP24-E

Comes with 5-point calibration.

Metric ranges available – consult Engineering.

* See section D for compatible meters.

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

Ordering Examples: PX42G7-008GI, 8 psig model with vented cable, desiccant, stainless steel wetted parts and 4 to 20 mA output, \$530.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
CM-4225	\$103	Reference Book: Principles and Practice of Automatic Process Control

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