

G1 THREAD FLUSH DIAPHRAGM LOW PRESSURE TRANSMITTER

PXM42 Series 4-20 mA Output 0-400 mbar to 0-1.6 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

PXM42
\$530

Model Shown

- ✓ Stainless Steel Construction
- ✓ Processing and Industrial Applications
- ✓ Large Flush Diaphragm for Plug Free Measurement of Difficult Fluids
- ✓ 3 m Cable with Conduit Connection on Body for Installation in Harsh Environments
- ✓ Heavy Duty G1 Fitting
- ✓ 4-20 mA Output to Interface with Most Industrial Controls

OMEGA's PXM42 Series 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 due to sticking or plugging of orifices. Its hermetically sealed, all stainless steel construction makes it suitable for the harshest industrial environments. Three meters of two conductor vented shielded cable is standard with a ½" NPT conduit fitting on the body for conduit installation. Pressure ranges from 0-400 mbar up to 1.6 bar are available to cover low pressure processing and industrial applications.

SPECIFICATIONS:

Excitation: 10 to 40 Vdc

Output: 4-20 mA ±10% adj

Zero Balance: 4 mA +10% -2% adj

Accuracy: 0.5% Linearity, Hysteresis, and Repeatability Combined

Operational Temp Range:
-46 to 121°C (-50 to 250°F)

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

Thermal Effects:
Span: 0.0054% of Rdg/°C
Zero: 0.009% of FSO/°C

Proof Pressure:
150% of rated pressure

Burst Pressure:
300% of rated pressure

Wetted Parts: 17-4PH SS w/ 316SS Diaphragm

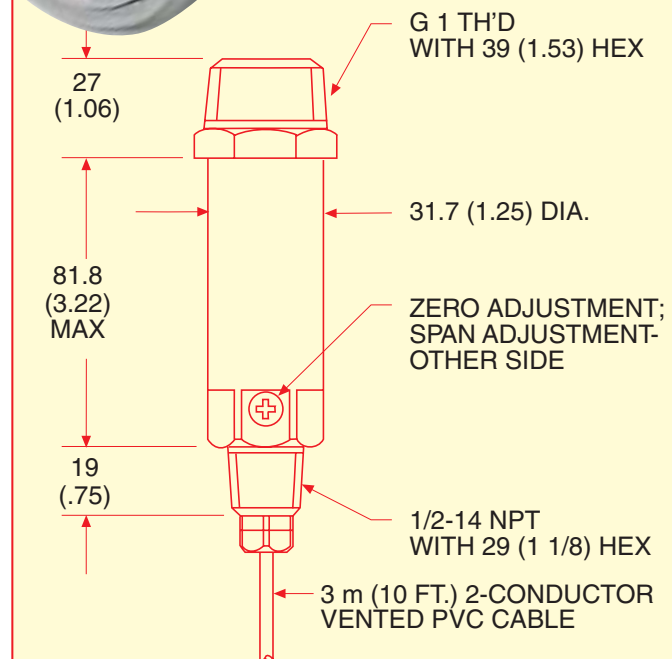
Pressure Port: G1 Male

Electrical Connection: 3 m (10 ft)
2-conductor vented cable with ½ -14 NPT conduit fitting

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



Model PXM42M7-001BARGI
Shown Smaller than Actual Size



MOST POPULAR MODELS HIGHLIGHTED

To Order (Specify Model Number)

Models with G1 Male Pressure Connector, 3 m Cable and 4-20mA Output			
RANGE (Bar)	MODEL NUMBER	PRICE	COMPATIBLE METERS*
Gauge Pressure			
0 to 400 mbar	PXM42MG7-400mBARGI	\$530	DP41-E, DP25B-E
0 to 1.00 bar	PXM42MG7-001BARGI	530	DP41-S, DP25B-E
0 to 1.60 bar	PXM42MG7-01.6BARGI	530	DP41-S, DP25B-E

* See Section D for Compatible Meters

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

Ordering Examples: 1.) PXM42MG7-400mBARGI, a 400 mbar gauge pressure transmitter with a G1 pressure port, 3 meters vented cable, Stainless Steel wetted parts and 4-20 mA output, **\$530**. 2.) PXM42MG7-001BARGI, a 1 bar gauge pressure transmitter with a G1 pressure port, 3 meters vented cable, Stainless Steel wetted parts and 4-20 mA output, **\$530**.