

VERY HIGH ACCURACY CURRENT OUTPUT TRANSMITTER G 1/8 OR G 1/4 CONNECTIONS

PXM01 Series
4 to 20 mA Output
0-160 mbar to 0-400 bar

PXM01
\$855
Model Shown



- ✓ 0.05% Accuracy
- ✓ FM Intrinsically Safe
- ✓ 5-Point Calibration Provided
- ✓ All Stainless Steel Construction
- ✓ Available in Gauge, Absolute, Sealed Gauge, psi and Metric Ranges
- ✓ Cable or Connector Models
- ✓ Optional Pressure Ports to Fit Most Industrial Applications

OMEGA's PXM01 Series transducer is a very high accuracy, low noise 4-20 mA output, industrial pressure transmitter. Its all stainless steel construction makes it suitable for harsh industrial environments. FM intrinsically safe rating is standard. A broad temperature compensated range of 60 to 160°F and excellent temperature compensation make this transmitter very stable with fluctuating temperatures.

The PXM01 is available in gauge, absolute or sealed models as well as metric or psi ranges. G 1/4 and G 1/8 fittings are available for industrial and hydraulic applications.

Cable Model
PXM01MD0-10BARGI
Shown Smaller than Actual Size



micro DIN Connector Model
PXM01MC6-10BARGI
Shown Smaller than Actual Size

MOST POPULAR MODELS HIGHLIGHTED

To Order (Specify Model Number)

Models with G 1/4 Female Pressure Connection, Cable or Connector & 4-20 mA Output

RANGE (Bar)	MODEL NUMBER	PRICE	COMPATIBLE METERS**
Gauge Pressure			
0 to 0.160	PXM01MD[*]-160mBARGI	\$925	DP41-E, DP25B-E
0 to 0.400	PXM01MD[*]-400mBARGI	925	DP41-E, DP25B-E
0 to 1	PXM01MD[*]-001BARGI	925	DP41-E, DP25B-E
0 to 1.6	PXM01MD[*]-1.60BARGI	925	DP41-E, DP25B-E
0 to 2.5	PXM01MD[*]-2.50BARGI	855	DP41-E, DP25B-E
0 to 4	PXM01MD[*]-004BARGI	855	DP41-E, DP25B-E
0 to 6	PXM01MD[*]-006BARGI	855	DP41-E, DP25B-E
0 to 10	PXM01MD[*]-010BARGI	855	DP41-E, DP25B-E
0 to 16	PXM01MD[*]-016BARGI	855	DP41-E, DP25B-E
0 to 25	PXM01MD[*]-025BARGI	855	DP41-E, DP25B-E
0 to 40	PXM01MD[*]-040BARGI	855	DP41-E, DP25B-E
0 to 60	PXM01MD[*]-060BARGI	855	DP41-E, DP25B-E
0 to 100	PXM01MD[*]-100BARGI	855	DP41-E, DP25B-E
0 to 160	PXM01MD[*]-160BARGI	855	DP41-E, DP25B-E
0 to 250	PXM01MD[*]-250BARGI	855	DP41-E, DP25B-E
0 to 400	PXM01MD[*]-400BARGI	855	DP41-E, DP25B-E

[*] = insert "0" for 3 m Cable or "6" for micro DIN connector

**See Section D for compatible Meters

To order Absolute Pressure replace the "G" in model number with "A" (\$50 additional).

To order Sealed Gauge units replace "G" in model number with "S" (no charge).

Ordering Examples: 1.) PXM01MD6-4BARGI is a 4 bar gauge transducer with 4-20 mA output, micro DIN connector and G 1/4 female pressure connection, \$855.

Mating Connector included.

2.) PXM01MB0-010BARAI is a 10 bar absolute transducer with 4-20 mA output, 3 m Cable with 1/2 NPT Conduit fitting and G 1/8 female pressure connection, \$855 + 50 = \$905.

VERY HIGH ACCURACY CURRENT OUTPUT ALL STAINLESS STEEL TRANSMITTER

SPECIFICATIONS

4-20 mA OUTPUT

Excitation: 10 - 40 V dc

Output: 4-20 mA $\pm 10\%$ adj.

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

Agency Approvals:
Standard FM Intrinsically Safe
IS/I.II.III/1/CDEFG

Linearity: $\pm 0.05\%$ FSO

Hysteresis: $\pm 0.05\%$ FSO

Repeatability: $\pm 0.05\%$ FSO

Sensing Element:

4 active-arm bridge, using thick film strain gauges in a hermetically sealed chamber

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% FSO/°C

Zero: 0.0054% FSO/°C

Proof Pressure:

150% of rated pressure

Burst Pressure:

300% of rated pressure

Wetted Parts:

17-4 PH

Stainless Steel

Pressure Port:

G 1/4 Male or Female, G 1/8 Male or Female

Electrical Connections:

Style 0 = 3 m cable

Style "6" = micro DIN

See Custom Configurations

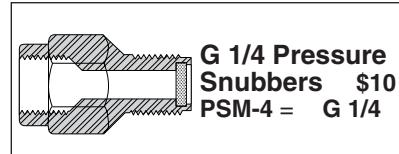
Mating Connector:

Style 1 = PT06F-10-6S (not included)

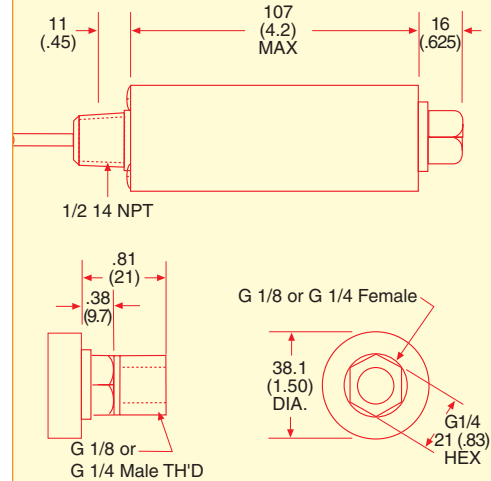
Style "6" = included

Weight:

170 g (6 oz)



Pin	Wire	Connection
A	Red	+ Input
B	Black	- Input



Dimensions Shown in mm (inches)

PRESSURE TRANSDUCERS
METRIC SPEC
B

CUSTOM CONFIGURATIONS

—MODEL NUMBER SPECIFICATION:

PXM01MD0-006BARGI

OPTION CODES (add to end of model number)

—OL (for overload stops)

—OX (cleaned for oxygen use)

—[]m (Optional cable length)

Example:

—12m = 12 metres total of cable)

OUTPUT: V = 3 mV/V nominal

5T = 0 to 5 Vdc

5Z = isolated to 0 to 5 Vdc

10T = 0 to 10 Vdc

I = 4 to 20 mA

UNITS (A = absolute, S = sealed gauge, G = gauge)

RANGE

ELECTRICAL CONNECTION:

0 = 3 m cable

1 = PTIH-10-6P connector or equiv.

5 = lightening protection amplifier box (4-20 mA models only)

6 = micro DIN Connector* (*no shunt)

PRESSURE PORT: MA = G 1/8 male

MB = G 1/8 female

MC = G 1/4 male

MD = G 1/4 female - (std)



Ordering Examples:

1.) **PXM01MA6-010BARGI** is a 10 bar Gauge Pressure transducer with a G 1/8 Male fitting, a MICRO DIN Connector, and 4-20 mA output, \$855. Mating Connector included.

2.) **PXM01MB0-005BARS** is a 5 bar Sealed Gauge Pressure transducer with a G 1/8 Female fitting, a 3 m cable, and Isolated 4-20 mA output \$855.

3.) **PXM01MC1-001BARAI** is a 1 bar Absolute Pressure transducer with a G 1/4 Male fitting, PTIH-10-6P Connector, and 4-20 mA output, \$855. Mating Connector (not included) order **PT06F-10-6S, \$26.50**.