

HEAVY DUTY INDUSTRIAL TRANSMITTER G 1/8 OR G 1/4 FITTING

PXM41 Series
4-20 mA Output
0-1 to 0-400 bar

\$480
Models Shown



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

- ✓ **FM Intrinsically Safe – Standard**
- ✓ **Optional FM Approved for Hazardous Locations**
- ✓ **MSHA Approved Version Available**
- ✓ **All Stainless Steel Construction**
- ✓ **Sealed SS Case for Harsh Environments**

OMEGA's PXM41 Series are high accuracy, low cost pressure transmitters. Their all stainless steel construction makes them suitable for the harshest environments. They are available in Gauge, Absolute or Sealed Gauge models. Three metres of insulated shielded cable is standard. Twist lock style or micro DIN connectors are also available. A wide selection of amplified voltage and current outputs in the PXM41 family makes this a truly versatile family of industrial transducers.

SPECIFICATIONS:

Excitation: 10 -40 Vdc

Output: 4-20 mA (±10% adj)

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

Agency Approvals:

Must be specified at time of order

FM Intrinsically Safe:

IS/I,II,III/1/CDEFG - Standard

FM Hazardous Location:

S/I/1/ABCD

Optional-Must be specified at time of order

MSHA: Mine Safety and Health Administration - Optional-Must be specified at time of order

Accuracy: 0.25% Linearity, Hysteresis and Repeatability combined.

Model PXM41MC6-006BARGI
Shown smaller than actual size



Model PXM41MC0-006BARGI
Shown smaller than actual size

MOST POPULAR MODELS HIGHLIGHTED

To Order (Specify Model Number)

Models with G 1/4 Internal Pressure Connection, Cable or Connector & 4-20mA Output			
RANGE (Bar)	MODEL NUMBER	PRICE	COMPATIBLE METERS**
Gauge Pressure			
0 to 1	PXM41MD0-[*]-001BARGI	\$530	i series, DP41-E, DP25B-E
0 to 1.6	PXM41MD0-[*]-1.60BARGI	530	i series, DP41-E, DP25B-E
0 to 2.5	PXM41MD0-[*]-2.50BARGI	480	i series, DP41-E, DP25B-E
0 to 4	PXM41MD0-[*]-004BARGI	480	i series, DP41-E, DP25B-E
0 to 6	PXM41MD0-[*]-006BARGI	480	i series, DP41-E, DP25B-E
0 to 10	PXM41MD0-[*]-010BARGI	480	i series, DP41-E, DP25B-E
0 to 16	PXM41MD0-[*]-016BARGI	480	i series, DP41-E, DP25B-E
0 to 25	PXM41MD0-[*]-025BARGI	480	i series, DP41-E, DP25B-E
0 to 40	PXM41MD0-[*]-040BARGI	480	i series, DP41-E, DP25B-E
0 to 60	PXM41MD0-[*]-060BARGI	480	i series, DP41-E, DP25B-E
0 to 100	PXM41MD0-[*]-100BARGI	480	i series, DP41-E, DP25B-E
0 to 160	PXM41MD0-[*]-160BARGI	480	i series, DP41-E, DP25B-E
0 to 250	PXM41MD0-[*]-250BARGI	480	i series, DP41-E, DP25B-E
0 to 400	PXM41MD0-[*]-400BARGI	480	i series, DP41-E, DP25B-E

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

** See Section D for Compatible Meters

To order an FM approved for Hazardous Locations version add suffix "-FM" to the part number. (+\$150)

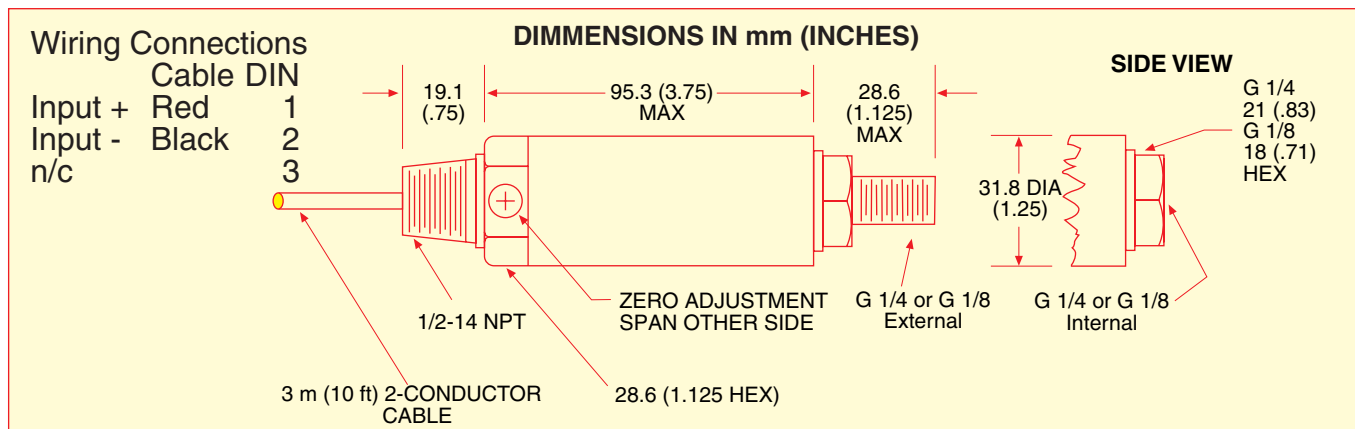
To order Sealed Gauge Pressure models, replace "G" in model number with "S" (no charge).

To order Absolute Pressure models replace "G" in model number with "A" (no charge).

Ordering Examples:

- 1.) **PXM41MD6-25BARGI** is a 25 bar Gauge Pressure transducer with G 1/4 internal thread, micro DIN connector, and 4 to 20 mA output, **\$480.**
- 2.) **PXM41MD0-1.60BARAI** is a 1.6 bar Absolute Pressure transducer with G 1/4 internal thread, 3 meter cable, and 4 to 20 mA output, **\$530.**

PXM41 INDUSTRIAL TRANSMITTER



SPECIFICATIONS (con't):

Sensing Element: 4 active arm bridge with hermetically sealed thick film strain gauges.

Operating Temperature Range:

-47 to +121°C (-50 to +250°F)

Compensated Temperature Range:

16 to 71°C (60 to 160°F)

Thermal Effects: Span: 0.005% Rdg/°C

Zero: 0.009% FSO/°C

Proof Pressure: 150% of rated pressure

Burst Pressure: 300% of rated pressure

Wetted Parts: 17-4 PH and 316 SS

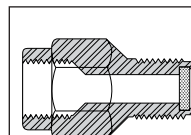
Pressure Port: G 1/4 Male (std) or Female or G 1/8 Male or Female

Electrical Connection: Shown: 3 m (10 ft), 2 conductor. PVC insulated cable.

Also available, PTIH-10-6P Connector.

Mating Connector (not included)

PT06F-10-6S.



G 1/4 Pressure Snubbers \$20
PSM-4 = G 1/4

CUSTOM CONFIGURATIONS

—MODEL NUMBER SPECIFICATION:

PXM41MC1-006BAR GI

OPTION CODES (add to end of model number)

- FM FM hazardous locations, "I" output only
- MSHA Mine Safety and Health Admin, "5V" or "I" output
- OX cleaned for oxygen use
- []m Optional cable length
Example: -12 m = 12 metres total of cable

OUTPUT: 5V = 0.5 to 5.5 Vdc
5T = 0 to 5 Vdc
10V = 0.5 to 10.5 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.
- 6 = micro DIN connector

PRESSURE PORT: MA = G 1/8 male
MB = G 1/8 female
MC = G 1/4 male
MD = G 1/4 female

Ordering Examples:

1.) **PXM41MC1-006BARG5V**, a 6 bar Gauge Pressure transmitter with G 1/4 external thread, a PTIH-10-6P Connector, and 0.5 to 5.5 Vdc output, \$450. Mating Connector (not included) **PT06F-10-6S, \$26.50.**

2.) **PXM41MC0-060BARS**, a 60 bar Sealed Gauge pressure transmitter with G 1/4 external thread, a 3 m cable, and 4 to 20 mA output, \$480.

3.) **PXM41MB1-01.6BARA5V**, a 1.6 bar Absolute Pressure transmitter with G 1/8 internal thread, a PTIH-10-6P Connector, and 0.5 to 5.5 Vdc output, \$500. Mating Connector (not included) **PT06F-10-6S, \$26.50.**