



ECONOMICAL PRESSURE TRANSMITTER

For Gage and Absolute Pressures

\$225

Model Shown

PX4000 Series
4-20 mA Output
0-15 to 0-5,000 psi
0-10 to 0-350 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

- Cable and Connector Models Available
- All Stainless Steel Construction
- NEMA-4 Rated

OMEGADYNE's PX4000 Series offers the unique combination of high stability and an economical price. Our proprietary chemical vapor deposition (CVD) process creates strain gages directly on a metal beam so there is no carrier substrate or adhesive bond to creep or introduce errors. The PX4000 Series transducers are available with ranges from Vacuum to 7,500 psi gage or absolute, have all stainless steel wetted parts to withstand most industrial chemicals and are available with a variety of electrical and pressure connections to fit your applications.

**For Sales and Service
In U.S.A. and Canada**

1-800-872-3963SM
1-800-USA-DYNE

International Customers Dial
(614) 965-9340
24-Hour FAX (614) 965-9438

OMEGADYNESM FAX

OMEGADYNE's 24-Hour
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Formerly
T-HYDRONICS, INC.

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Model PX4000C0-015GI \$239
Model PX4000C6-015GI \$225
Shown Smaller Than Actual Size
NEWPORT® Strain Meter Model
INFCS Shown in background

PS-4G Pressure Snubber \$10

► **Most Popular Models Highlighted** ◀

Prices Shown in U.S. Dollars

To Order: (Specify Model Number)					
Range (psi)	Model Number Cable Style	Price	Model Number Conn. Style	Price	Compatible Meter
Compound Ranges (Vacuum to Positive Pressure)					
VAC/15	PX4000C0-VAC/15GI	\$239	PX4000C6-VAC/15GI	\$225	INFS, INFCS
VAC/30	PX4000C0-VAC/30GI	239	PX4000C6-VAC/30GI	225	INFS, INFCS
Absolute Pressure (All Ranges Available in Absolute Pressure)					
0-15	PX4000C0-015AI	295	PX4000C6-015AI	275	INFS, INFCS
0-30	PX4000C0-030AI	295	PX4000C6-030AI	275	INFS, INFCS
0-60	PX4000C0-060AI	295	PX4000C6-060AI	275	INFS, INFCS
0-100	PX4000C0-100AI	295	PX4000C6-100AI	275	INFS, INFCS
0-200	PX4000C0-200AI	295	PX4000C6-200AI	275	INFS, INFCS
0-300	PX4000C0-300AI	295	PX4000C6-300AI	275	INFS, INFCS
Gage Pressure					
0-15	PX4000C0-015GI	239	PX4000C6-015GI	225	INFS, INFCS
0-30	PX4000C0-030GI	239	PX4000C6-030GI	225	INFS, INFCS
0-60	PX4000C0-060GI	239	PX4000C6-060GI	225	INFS, INFCS
0-100	PX4000C0-100GI	239	PX4000C6-100GI	225	INFS, INFCS
0-200	PX4000C0-200GI	239	PX4000C6-200GI	225	INFS, INFCS
0-300	PX4000C0-300GI	239	PX4000C6-300GI	225	INFS, INFCS
0-500	PX4000C0-500GI	239	PX4000C6-500GI	225	INFS, INFCS
0-1,000	PX4000C0-1KGI	239	PX4000C6-1KGI	225	INFS, INFCS
0-3,000	PX4000C0-3KGI	239	PX4000C6-3KGI	225	INFS, INFCS
0-5,000	PX4000C0-5KGI	239	PX4000C6-5KGI	225	INFS, INFCS
0-7,500	PX4000C0-7.5KGI	239	PX4000C6-7.5KGI	225	INFS, INFCS

Accessories:

Accessory	Price	Description
PS-4G	\$10	Pressure snubber for gaseous media
PS-4E	10	Pressure snubber for water and light oils
PS-4D	10	Pressure snubber for dense liquids (motor oil)

Metric Ranges Available - Consult Engineering

Ordering Example: 1.) PX4000C0-015AI is a 4-20 mA output transducer with a 0 to 15 psi absolute pressure range, 3 ft (0.9m) cable and a 1/8-18 NPT male connection \$295. Accessory Snubber: PS-4G for gaseous media \$10. 2.) PX4000C6-5KGI is a 4-20 mA output transducer with a 0 to 5,000 psi gage pressure range, DIN connector and a 1/8-18 NPT male connection \$225. Mating connector (not included) PTS06A-10-6S, \$47.00. Accessory Snubber: PS-4D for dense liquids \$10.



SPECIFICATIONS: 4-20mA Output

Electrical:

Output: 4-20 mA (2-wire) adj ±10%

Excitation: 24 Vdc, (12-36 Vdc Max)
Reverse polarity protected

Accuracy: ±0.25% FSO Linearity,
Hysteresis and Repeatability combined

Zero Balance: +4mA adj ±10%

Maximum Loop Resistance:
50 x (V_S -12) ohms

Environmental:

Operating Temp Range:
-20 to +120°C (-4 to +248°F)

Compensated Temp Range:
-20 to +80°C (-4 to +176°F)

Thermal Effects: ±1.5% over
compensated range

Pressure:

Proof Pressure: 150% of capacity

Burst Pressure: 400% of capacity or,
17,000 psi max. the lesser of the two.

Response Time: 1 ms

Gage Type: Chemical vapor deposited
polysilicon strain gages

Mechanical:

Wetted Parts: 15-7, 17-4 Stainless Steel
<60 psi; 17-4 Stainless Steel, ≥ 60 psi

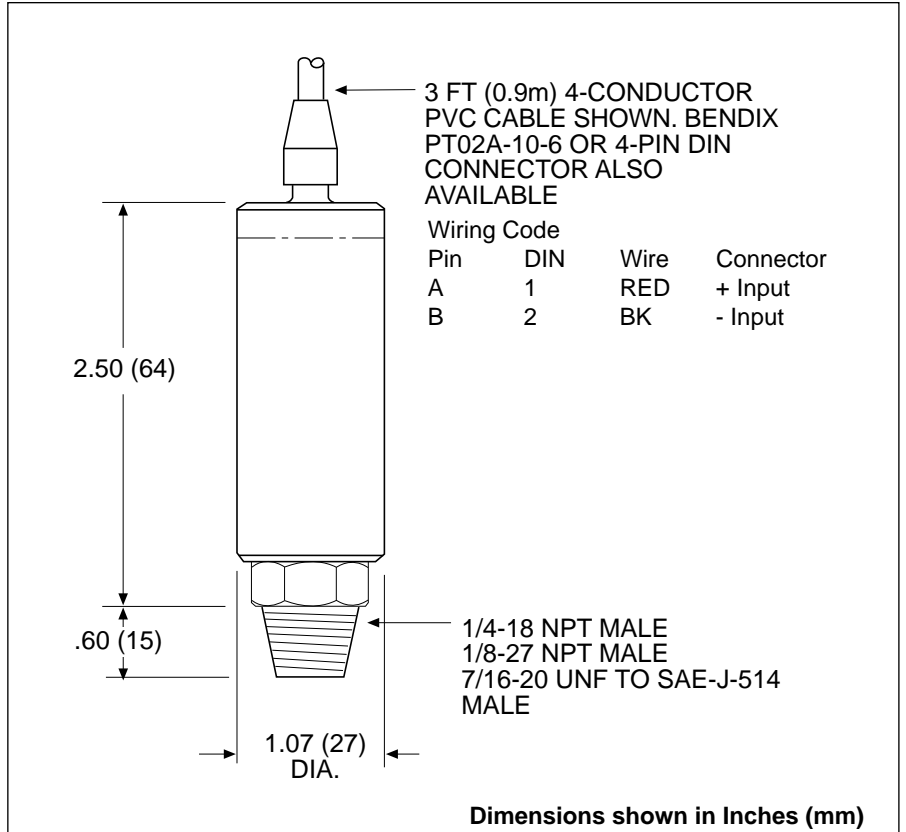
Pressure Port: 1/4-18 NPT

Electrical Connections:

PX4000C0: 36" (0.9m) shielded
4-conductor PVC cable

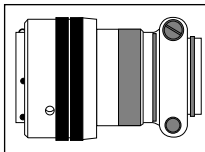
PX4000C6: DIN Micro Connector

Weight: 4oz (100g) typical



CUSTOM CONFIGURATIONS

SERIES	PRESSURE PORT	ELECTRICAL CONNECTION	RANGE (psi)	UNITS	OUTPUT	OPTIONS
PX4000	[1]	[2]	[3]	[4]	[5]	[6]
	A = 1/8-27 NPT Male		VAC/0	G*	V = mV/V \$149	CAL5 = 5pt Cal
	C = 1/4-18 NPT Male		VAC/15	G*	5T = 0-5V \$225	+75
			VAC/45	G*	6V = 1-6V \$225	CAL11 = 11pt Cal
			VAC/85	G*	10T = 0-10V \$225	+150
			VAC/135	G*	11V = 1-11V \$225	
			VAC/185	G*	I = 4-20mA \$225	
			VAC/285	G*		
	0 = 3 foot (0.9m) cable +\$16 on mV Models, +\$14 on Amplified Models		015	A*, G		
	1 = PT02A-10-6P Connector (or Equal) +\$30 Mating Connector (not included) PTS06A-10-6S(SR) \$47.00		030	A*, G		
			060	A*, G		
			100	A*, G		
			150	A*, G		
	6 = 4 - Pin DIN (Micro) (STD) Mating Connector included		300	A*, G		
			500	A*, G		
			1K	A*, G		
			1.5K	A*, G		
			3K	A*, G		
			5K	A*, G		
			7.5K	A*, G		



**Mating Connector
PT06F-10-6S,
\$26.50**

* Add \$50 to price for Absolute Pressure Ranges

To Order a Custom Configuration:

1. Select a Pressure Port
2. Select Electrical Connection
3. Select a Pressure Range
4. Select Pressure Units
5. Select Output
6. Select Options and Agency Approvals

Ordering Examples: 1.) PX4000A1-015AV has a 1/8-27 NPT male pressure port, Bendix style connector, 15 psi Absolute Pressure range and mV/V output, \$149+\$30+\$50 = \$229. Mating Connector (not included) PTS06A-10-6S, \$47.00.

2.) PX4000C1-100GI has a 1/4-18 NPT male pressure port, Bendix style connector, 100 psi Gage pressure range and 4-20 mA output, \$225+\$30 = \$255. Mating Connector (not included) PTS06A-10-6S, \$47.00.

3.) PX4000C0-VAC/15G5T has a 1/4-18 NPT male pressure port, 3 ft (0.9m) Cable, a range of Vacuum to 15 psi Gage Pressure range and 0-5 Vdc output, \$225+14= \$239.

4.) PX4000C6-1.5KA6V has a 1/4-18 NPT male pressure port, a DIN micro connector (with Mating Connector supplied), a 1,500 psi Absolute Pressure range and 1-6 Vdc output, \$225+\$50= \$275.

Look for OMEGADYNE Products on the World Wide Web!

<http://www.omegadyne.com>

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