



ECONOMICAL PRESSURE TRANSDUCER

For Gage and Absolute Pressures

\$225

Model Shown

PX4000 Series
0-5Vdc 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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OMEGADYNE, Inc.

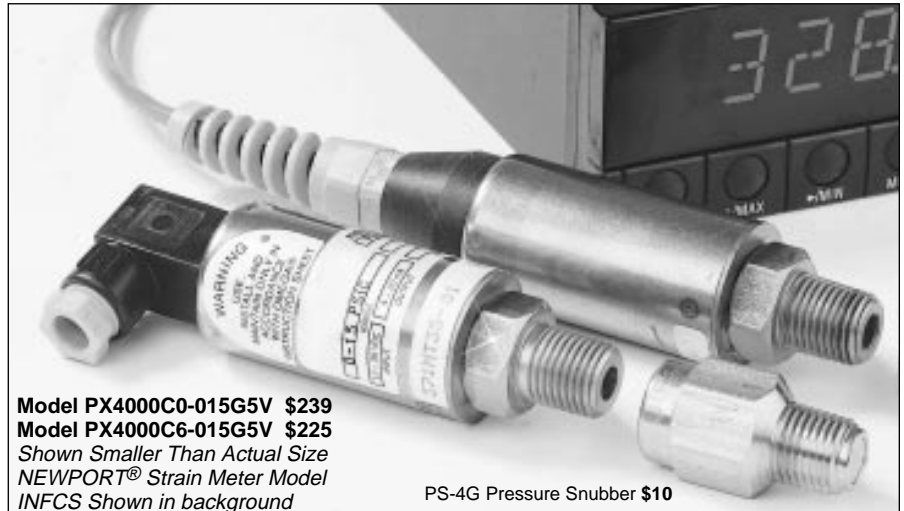
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Formerly
T-HYDRONICS, INC.

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Model PX4000C0-015G5V \$239
Model PX4000C6-015G5V \$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/15G5T	\$239	PX4000C6-VAC/15G5T	\$225	INFS, INFCS
VAC/30	PX4000C0-VAC/30G5T	239	PX4000C6-VAC/30G5T	225	INFS, INFCS
Absolute Pressure (All Ranges Available in Absolute Pressure)					
0-15	PX4000C0-015A5T	295	PX4000C6-015A5T	275	INFS, INFCS
0-30	PX4000C0-030A5T	295	PX4000C6-030A5T	275	INFS, INFCS
0-60	PX4000C0-060A5T	295	PX4000C6-060A5T	275	INFS, INFCS
0-100	PX4000C0-100A5T	295	PX4000C6-100A5T	275	INFS, INFCS
0-200	PX4000C0-200A5T	295	PX4000C6-200A5T	275	INFS, INFCS
0-300	PX4000C0-300A5T	295	PX4000C6-300A5T	275	INFS, INFCS
Gage Pressure					
0-15	PX4000C0-015G5T	239	PX4000C6-015G5T	225	INFS, INFCS
0-30	PX4000C0-030G5T	239	PX4000C6-030G5T	225	INFS, INFCS
0-60	PX4000C0-060G5T	239	PX4000C6-060G5T	225	INFS, INFCS
0-100	PX4000C0-100G5T	239	PX4000C6-100G5T	225	INFS, INFCS
0-200	PX4000C0-200G5T	239	PX4000C6-200G5T	225	INFS, INFCS
0-300	PX4000C0-300G5T	239	PX4000C6-300G5T	225	INFS, INFCS
0-500	PX4000C0-500G5T	239	PX4000C6-500G5T	225	INFS, INFCS
0-1,000	PX4000C0-1KG5T	239	PX4000C6-1KG5T	225	INFS, INFCS
0-3,000	PX4000C0-3KG5T	239	PX4000C6-3KG5T	225	INFS, INFCS
0-5,000	PX4000C0-5KG5T	239	PX4000C6-5KG5T	225	INFS, INFCS
0-7,500	PX4000C0-7.5KG5T	239	PX4000C6-7.5KG5T	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.) PX4000C0-015A5T is a 0-5 Vdc output transducer with a 0 to 15 psi absolute pressure range, 3 ft (0.9m) cable and a 1/4-18 NPT male connection \$295. Accessory Snubber: PS-4G for gaseous media \$10. 2.) PX4000C6-5KG5T is a 0-5 Vdc output transducer with a 0 to 5,000 psi gage pressure range, DIN connector and a 1/4-18 NPT male connection \$225. Mating connector (included) Accessory Snubber: PS-4D for dense liquids \$10.



SPECIFICATIONS: 5V Output

Electrical:

Output: 0-5 Vdc

Excitation: 24 Vdc, (12-36 Vdc Max)

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

Zero Balance: 0 Vdc ±0.75 mV

Environmental:

Operating Temp Range:

-20 to +85°C (-4 to +185°F)

Compensated Temp Range:

-20 to +80°C (-4 to +176°F)

Thermal Effects: ±0.017% FSO/°F

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: ¼-18 NPT

Electrical Connections:

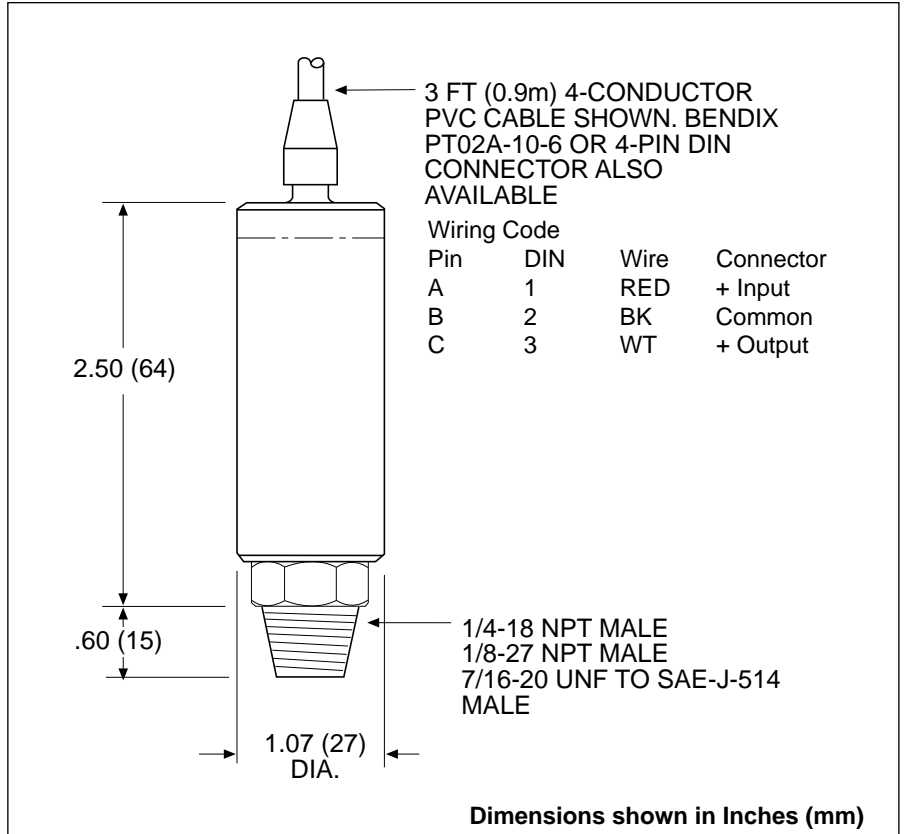
PX4000C0: 36" (0.9m) shielded

4-conductor PVC cable

PX4000C1: Bendix PT02A -10-6P

PX4000C6: Miniature DIN connector

Weight: 4 oz. (100g) typical



Dimensions shown in Inches (mm)

CUSTOM CONFIGURATIONS

SERIES	PRESSURE PORT	ELECTRICAL CONNECTION	RANGE (psi)	UNITS	OUTPUT	OPTIONS
PX4000	[1]	[2]	[3]	[4]	[5]	[6]
	A = ¼-27 NPT Male C = ¼-18 NPT Male		VAC/0 VAC/15 VAC/45 VAC/85 VAC/135 VAC/185 VAC/285	G* G* G* G* G* G* G*	V = mV/V \$149 5T = 0-5V \$225 6V = 1-6V \$225 10T = 0-10V \$225 11V = 1-11V \$225 I = 4-20mA \$225	CAL5 = 5pt Cal +75 CAL11 = 11pt Cal +150
	0 = 3 foot (0.9m) cable +\$16 on mV Models, +\$14 on Amplified Models		015 030 060 100 150 300 500 1K 1.5K 3K 5K 7.5K	A*, G A*, G A*, G A*, G A*, G A*, G A*, G A*, G A*, G A*, G A*, G A*, G		
	1 = PT02A-10-6P Connector (or Equal) +\$30 Mating Connector (not included) PTS06A-10-6S(SR) \$47.00					
	6 = 4 - Pin DIN (Micro) (STD) Mating Connector included					

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

* Note: Add \$50 to price for Absolute Pressure Ranges

Ordering Examples: 1.) PX4000A1-015AV has a ¼-27 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 ¼-18 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 ¼-18 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 ¼-18 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.

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<http://www.omegadyne.com>
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