



# ECONOMICAL PRESSURE TRANSDUCER

For Gage and Absolute Pressures

**\$149**

Model Shown

**PX4000 Series**  
mV/V Output

0-15 to 0-5,000 psi  
0-10 to 0-350 bar

1 bar = 14.5 psi  
1 kg/cm<sup>2</sup> = 14.22 psi  
1 Atmosphere = 14.7 psi =  
29.93 in-Hg = 760.2 mm-Hg =  
1.014 bar

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



Model PX4000C0-015GV \$165

Model PX4000C6-015GV \$149

Shown Smaller Than Actual Size  
NEWPORT® Strain Meter Model  
INFCS Shown in background

PS-4G Pressure Snubber \$10

OMEGADYNE's PX4000 Series offers the unique combination of high output 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**

**1-800-872-3963<sup>SM</sup>**  
**1-800-USA-DYNE**

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

**OMEGADYNE<sup>SM</sup> FAX**

OMEGADYNE's 24-Hour  
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**1-800-344-3963<sup>SM</sup>**  
**1-800-DIG-DYNE**

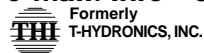
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➔ **Most Popular Models Highlighted** ←

Prices Shown in U.S. Dollars

<b>To Order: (Specify Model Number)</b>					
Range (psi)	Model Number Cable Style	Price	Model Number Conn. Style	Price	Compatible Meter
<b>Compound Ranges (Vacuum to Positive psi Gage Pressure)</b>					
VAC/15	PX4000C0-VAC/15GV	\$165	PX4000C6-VAC/15GV	\$199	INFS, INFCS
VAC/30	PX4000C0-VAC/30GV	165	PX4000C6-VAC/30GV	199	INFS, INFCS
<b>Absolute Pressure (All Ranges Available in Absolute Pressure)</b>					
0-15	PX4000C0-015AV	209	PX4000C6-015AV	199	INFS, INFCS
0-30	PX4000C0-030AV	209	PX4000C6-030AV	199	INFS, INFCS
0-60	PX4000C0-060AV	209	PX4000C6-060AV	199	INFS, INFCS
0-100	PX4000C0-100AV	209	PX4000C6-100AV	199	INFS, INFCS
0-200	PX4000C0-200AV	209	PX4000C6-200AV	199	INFS, INFCS
0-300	PX4000C0-300AV	209	PX4000C6-300AV	199	INFS, INFCS
<b>Gage Pressure</b>					
0-15	PX4000C0-015GV	165	PX4000C6-015GV	149	INFS, INFCS
0-30	PX4000C0-030GV	165	PX4000C6-030GV	149	INFS, INFCS
0-60	PX4000C0-060GV	165	PX4000C6-060GV	149	INFS, INFCS
0-100	PX4000C0-100GV	165	PX4000C6-100GV	149	INFS, INFCS
0-200	PX4000C0-200GV	165	PX4000C6-200GV	149	INFS, INFCS
0-300	PX4000C0-300GV	165	PX4000C6-300GV	149	INFS, INFCS
0-500	PX4000C0-500GV	165	PX4000C6-500GV	149	INFS, INFCS
0-1,000	PX4000C0-1KGV	165	PX4000C6-1KGV	149	INFS, INFCS
0-3,000	PX4000C0-3KGV	165	PX4000C6-3KGV	149	INFS, INFCS
0-5,000	PX4000C0-5KGV	165	PX4000C6-5KGV	149	INFS, INFCS
0-7,500	PX4000C0-7.5KGV	165	PX4000C6-7.5KGV	149	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.) PX4000C0-015AV** is a millivolt output transducer with a 0 to 15 psi absolute pressure range, 3 ft (0.9m) cable and a 1/8-18 NPT male connection **\$209**. Accessory Snubber: PS-4G for gaseous media **\$10**. **2.) PX4000C6-5KGV** is a millivolt output transducer with a 0 to 5,000 psi gage pressure range, DIN connector and a 1/8-18 NPT male connection **\$149**. Accessory Snubber: PS-4D for dense liquids **\$10**.



**SPECIFICATIONS: mV/V Output**

**Electrical:**

**Output:** 10 mV/V ±1%

**Excitation:** 10 Vdc, (15 Vdc Max)

**Accuracy:** ± 0.25% FSO Linearity, Hysteresis and Repeatability Combined

**Zero Balance:** ±1% FSO

**Environmental:**

**Operating Temp Range:** -40 to +125°C (-40 to +257°F)

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

**Thermal Effects:** ±1.5% FSO over Compensated Range

**Pressure:**

**Proof Pressure:** 150% of capacity

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

**Input Resistance:** 2.5k to 6k ohms

**Output Resistance:** 1.2k to 4.3k ohms

**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

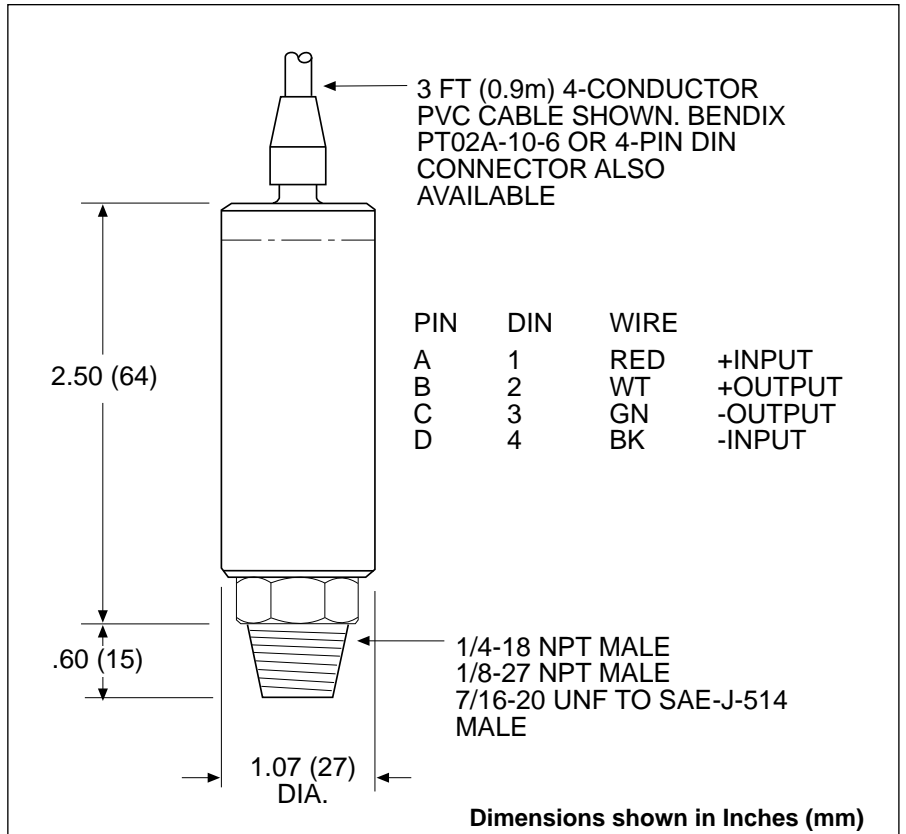
**Electrical Connections:**

PX4000C0: 3ft (0.9m) shielded

4-conductor PVC cable

PX4000C1: Bendix PT02-10-6P

**Weight:** 3oz (87g) typical



**CUSTOM CONFIGURATIONS**

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

**Mating Connector**  
PTS06A-10-6S,  
\$47.00

**\*Note:** 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 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 4-20mA 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, 3ft (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 1-6Vdc output, \$225+\$50= \$275.

**Look for OMEGADYNE Products on the World Wide Web!**

<http://www.omegadyne.com>

e-mail: [info@omegadyne.com](mailto:info@omegadyne.com)