



### SPEC SHEET PX12F-I

Interchangeable with Model TH-BVA

## \$595

**Model Shown** 

### **PX12F SERIES** 4-20 mA Output

0-15 to 0-20,000 psi 0-1 to 0-1,300 bar

- 1 bar = 14.5 psi
- $1 \text{ kg/cm}^2 = 14.22 \text{ psi}$
- 1 Atmosphere = 14.7 psi = 29.93 in-Hg = 760.2 mm-Hg = 1.014 bar
- Hermetically Sealed Stainless Steel Construction
- Heavy Duty Industrial Design
- High Reliability Semi-**Conductor Strain Gages**
- **5** Point Calibration Included
- Low Noise 4-20mA Transmitter

The OMEGADYNE<sup>™</sup> PX12F Series are high accuracy, low noise 4-20 mA output industrial pressure transmitters. The hermetically sealed, all stainless steel case makes them suitable for the harshest industrial applications. Available with either shielded cable, twist lock connector, or solder eyelets and a 1/2 NPT Female fitting make this one of the most versatile transducers available. Pressure Ranges from 0-5 up to 20,000 psi cover most processing and industrial applications.

For Sales and Service In U.S.A. and Canada 1-800-872-3963 **International Customers Dial** (614) 965-9340 24-Hour FAX (614) 965-9438

> OMEGADYNE<sup>™</sup> FAX OMEGADYNE's 24-Hour **On-Line Publishing Service** 800-344-3963 800-dig-dyne

Document # 3668

OMEGADYNE, Inc. 149 Stelzer Court, Sunbury, OH 43074 http://www.omegadyne.com e-mail: info@omegadyne.com Formerly THI T-HYDRONICS, INC.

© COPYRIGHT 1996 OMEGADYNE, INC. ALL RIGHTS RESERVED.

Model PX12F0-100GI \$595 Shown Smaller than Actual Size

### 🕨 Most Popular Models Highlighted 🗲

	To Order: (Specify Model Number)								
	Range (psig)	Model Number	Price	Compatible Meters					
	0-5	PX12F0-005GI	\$595	INFP, INFCP, IDP					
•	0-10	PX12F0-010GI	595	INFP, INFCP, IDP	4				
•	0-15	PX12F0-015GI	595	INFP, INFCP, IDP	•				
	0-50	PX12F0-050GI	595	INFP, INFCP, IDP					
•	0-100	PX12F0-100GI	595	INFP, INFCP, IDP	◄				
	0-200	PX12F0-200GI	595	INFP, INFCP, IDP					
•	0-300	PX12F0-300GI	595	INFP, INFCP, IDP	•				
	0-500	PX12F0-500GI	595	INFP, INFCP, IDP					
	0-1,000	PX12F0-1KGI	595	INFP, INFCP, IDP					
	0-2,000	PX12F0-2KGI	595	INFP, INFCP, IDP					
•	0-3,000	PX12F0-3KGI	595	INFP, INFCP, IDP	◄				
	0-5,000	PX12F0-5KGI	595	INFP, INFCP, IDP					
	0-10,000	PX12F0-10KGI	595	INFP, INFCP, IDP					
	0-20,000	PX12F0-20KGI	595	INFP, INFCP*, IDP*					

\* 4 Digit meter, counts in increments of 10.

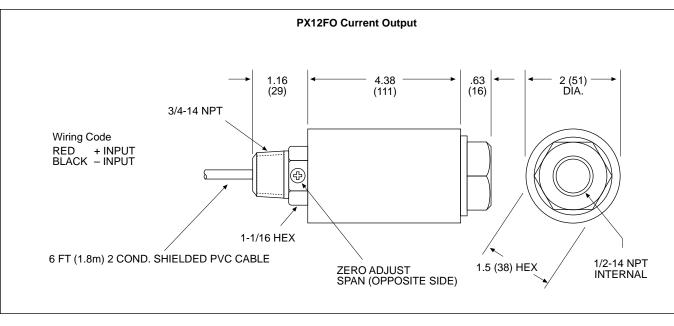
Interchangeable with Model TH-BVA Metric Ranges Available -Consult Engineering To order Absolute Pressure replace the "G" in model number with "A" (add \$10). To order Sealed Gage Pressure replace the "G" in model number with an "S

Ordering Examples: 1.) PX12F0-500GI is a 500 psi Gage Pressure model with 4-20 mA output, an 6 ft (1.8m) lead wire and a ½-14 internal NPT thread, \$595. 2.) PX12F0-100AI is a 100 psi Absolute Pressure transmitter, 4-20 mA output, an 8 ft (1.8m)

lead wire and a 1/2 -14 internal NPT thread, \$595+\$10= \$605. Printed On Recycled Paper

Prices Shown in U.S. Dollars

# **HIGH RELIABILITY** TRANSMITTER **STRAIN GAGES**



#### SPECIFICATIONS: mV/V Output Electrical:

Excitation: 10 to 40 Vdc Output: 4-20 mA ±10% adj Zero Balance: +10% -2.0% adj Performance:

Accuracy:  $\pm 0.5\%$  Linearity, Hysteresis, and Repeatability Combined

### **Environmental:**

**Operational Temp Range:** -46 to +121°C (-50 to +250°F) **Compensated Temp Range:** -18 to +66°C (0 to +150°F) **Thermal Effects:** Span: 0.003% Rdg/F Zero: 0.0045% FSO/F

### Pressure:

Proof Pressure: 22,500 psi or 200% rated pressure whichever is less **Burst Pressure:** 300% of rated pressure Wetted Parts: 17-4PH Stainless Steel Pressure Port: 1/2-14 NPT Internal Electrical Connection: 6 ft (1.8m) 2-conductor shielded PVC cable

Metric Ranges Available -Consult Engineering

### **CUSTOM CONFIGURATIONS:**

SERIES PX12F	PRESSURE PORT [1]	ELECTRICAL CONNECTION [ 2 ]	RANGE (PSI) [3]	UNITS	OUTP [ 5	-	OPTIONS [6]
<ul> <li>F = ½-14 NPT-Female</li> <li>0 = Cable 6' (1.8m) with current output Cable 18' (5.5m) with mV output</li> <li>1 = Bendix Connector PT1H-10-6P Mating Connector (not included) order PT06F-10-6S, \$26.50</li> <li>3 = Eyelet Header</li> </ul>			5* 10 15 25 50 100 250 300 400 500 1K 1K	- GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	V = mV/V I = 4-20 r	<b>\$425</b> nA <b>\$595</b>	
	psi range available only with mA output For Absolute Pressure add <b>\$10</b>		2K 3K 4K 5K 10K 15K 20K	S,G,A S,G,A S,G,A S,G,A S,G,A S,G,A S,G,A S,G,A	1. So 2. So 3. So 4. So 5. So	<ul> <li>To Order a Custom Configuration</li> <li>1. Select a Pressure Port</li> <li>2. Select Electrical Connection</li> <li>3. Select a Pressure Range</li> <li>4. Select Pressure Units</li> <li>5. Select Output</li> <li>6. Select Options and Agency Appr</li> </ul>	

\* 4 Digit meter, counts in increments of 10.

Interchangeable with Model TH-BVA

To order Absolute Pressure replace the "G" in model number with "A" (add \$10). To order Sealed Gage Pressure replace the "G" in model number with an "S".

Ordering Examples: 1.) PX12F0-500GV is a 500 psi Gage Pressure model with mV/V output, an 18 ft (5.5m) lead wire and a 1/2-14 internal *PPT thread*, **\$425.** 2.) PX12F0-100AI is a 100 psi Absolute Pressure transmitter, 4-20 mA output, an 6 ft (1.8m) lead wire and a <sup>1</sup>/<sub>2</sub>-14 internal NPT thread,

<sup>\$595+\$10= \$605.</sup> 

<sup>3.)</sup> PX12F1-5KSI is a 5,000 psi Sealed Pressure transmitter, 4-20 mA output, an 6 ft (1.8m) lead wire and a Bendix PT1H-10-6P connector, \$595. Mating Connector (not included) Model PT06F-10-6S, \$26.50.