

SPEC SHEET

PX41-I

*Interchangeable with
Model TH-LVA*

HEAVY DUTY INDUSTRIAL TRANSMITTER

with Unique Dual 1/2 and 1/4 NPT Fitting

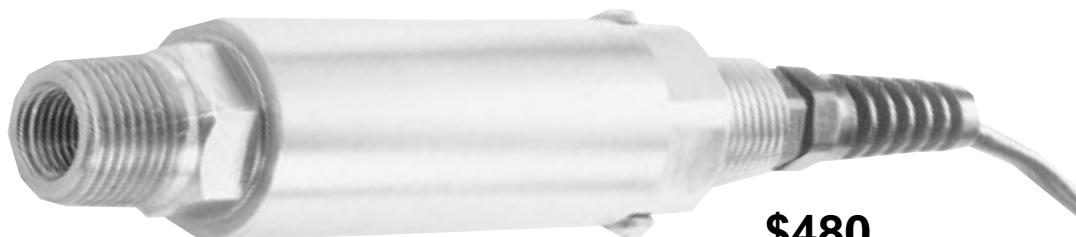
PX41 Series
4-20 mA Output

0-15 to 0-30,000 psi

0-1 to 0-2,000 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

- FM/CSA Intrinsically Safe - Standard
- FM Approved for Hazardous Locations - Optional
- MSHA Approved Version Available
- All Stainless Steel Construction
- Hermetically Sealed for Harsh Environments



\$480

Model PX41T0-100GI
Shown actual size

The OMEGADYNE™ PX41 Series are high accuracy, low cost pressure transmitters. Their hermetically sealed, all stainless steel construction makes them suitable for the harshest environments. They are available in Gage, Absolute or Sealed Gage models. Ten feet of PVC insulated shielded cable is standard or a Bendix style connector is also available. A wide selection of amplified voltage and current outputs models in the PX41 family makes this a truly versatile family of industrial transducers.

**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
On-Line Publishing Service

1-800-344-3963SM
1-800-DIG-DYNE

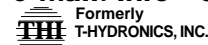
Document # 3608

OMEGADYNE, Inc.

149 Stelzer Court, Sunbury, OH 43074

http://www.omegadyne.com

e-mail: info@omegadyne.com



© COPYRIGHT 1996 OMEGADYNE, INC. ALL RIGHTS RESERVED.

► **Most Popular Models Highlighted** ◀

Prices Shown in U.S. Dollars

To Order: (Specify Model Number)			
Range (psi)	Model Number	Price	Compatible Meters
Absolute Pressure (All Ranges Available in Absolute Pressure)			
0-15	PX41T0-015AI	\$530	INFP, INFCP, IDP
0-20	PX41T0-020AI	530	INFP, INFCP, IDP
0-30	PX41T0-030AI	530	INFP, INFCP, IDP
0-50	PX41T0-050AI	480	INFP, INFCP, IDP
Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)			
0-10	PX41T0-010GI	530	INFP, INFCP, IDP
0-15	PX41T0-015GI	530	INFP, INFCP, IDP
0-20	PX41T0-020GI	530	INFP, INFCP, IDP
0-30	PX41T0-030GI	530	INFP, INFCP, IDP
0-50	PX41T0-050GI	480	INFP, INFCP, IDP
0-75	PX41T0-075GI	480	INFP, INFCP, IDP
0-100	PX41T0-100GI	480	INFP, INFCP, IDP
0-200	PX41T0-200GI	480	INFP, INFCP, IDP
0-300	PX41T0-300GI	480	INFP, INFCP, IDP
0-500	PX41T0-500GI	480	INFP, INFCP, IDP
0-750	PX41T0-750GI	480	INFP, INFCP, IDP
0-1000	PX41T0-1KGI	480	INFP, INFCP, IDP
0-1500	PX41T0-1.5KGI	480	INFP, INFCP, IDP
0-2000	PX41T0-2KGI	480	INFP, INFCP, IDP
0-3500	PX41T0-3.5KGI	480	INFP, INFCP, IDP
0-5000	PX41T0-5KGI	480	INFP, INFCP, IDP
0-7500	PX41T0-7.5KGI	480	INFP, INFCP, IDP
0-10000	PX41T0-10KGI	480	INFP, INFCP, IDP
0-20000	PX41T0-20KGI	480	INFP, INFCP*, IDP*
0-30000	PX41T0-30KGI	480	INFP, INFCP*, IDP*

* 4-Digit Meter, Counts by 10 Units.
Interchangeable with Model TH-LVA

Metric Ranges Available - Consult Engineering

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

To order Sealed Gage 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).

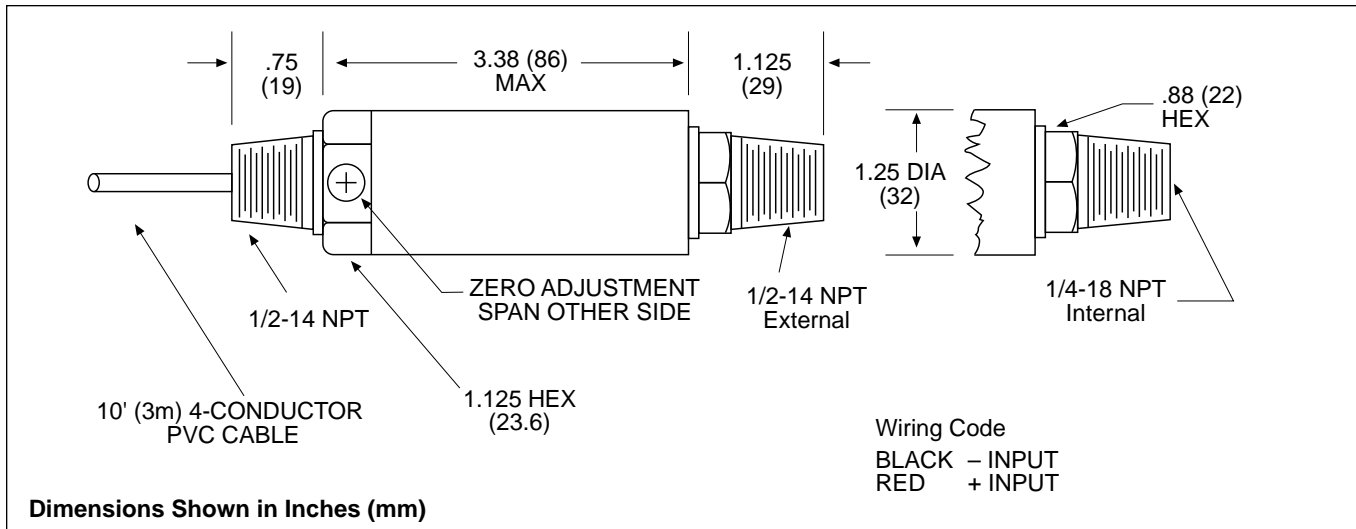
Ordering Examples: 1.) PX41T0-10KSI is a 10,000 psi Sealed Gage transmitter with 10 ft leads, \$480.

2.) PX41T0-5KGI-FM is a 5,000 psi Gage Pressure transmitter with 10 ft cable and FM for Hazardous Locations rating, \$480+150 = \$630.

3.) PX41T0-015AI is a 15 psi Absolute Pressure transmitter with 10 ft cable, \$530.

Printed On Recycled Paper



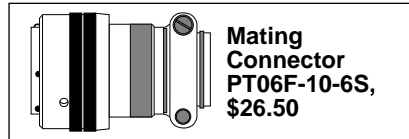


SPECIFICATIONS: 4-20 mA Output

Electrical:
Excitation: 10 -40 Vdc
Output: 4-20mA
Zero Balance: 4mA +10% -2% adj
Agency Approvals:
 Must be specified at time of order
FM/CSA Intrinsically Safe:
 IS/I.II.III/1/CDEFG - Standard
FM Hazardous Location: S/II/1/ABCD
 Optional-Must be specified at time of order
MSHA: Mine Safety and Health Administration
Performance:
Accuracy Class: 0.25% Linearity, Hysteresis and Repeatability combined.

Sensing Element: 4 active arm bridge with hermetically sealed thick film strain gages.
Environmental:
Operating Temp Range: -47 to +121°C (-50 to +250°F)
Compensated Temp Range: 16 to 71°C (60 to 160°F)
Thermal Effects: Span: 0.003% Rdg/°F
 Zero: 0.0045% FSO/F
Pressure:
Ranges (psi): 10,15, 20, 25, 30, 50, 75, 100, 200, 250, 300, 500,750, 1K, 1.5K, 2K, 3K, 3.5K, 5K, 7.5K, 10K, 20K, 30K
Proof Pressure: 150% of rated pressure
Burst Pressure: 300% of rated pressure

Mechanical:
Wetted Parts: 17-4 PH and 316 Stainless Steel
Pressure Port: ½ -14 NPT External and ¼-18 NPT Internal
Electrical Connection: Shown: 10 ft, 4 conductor. PVC insulated cable. Also available, PT1H-10-6P Connector. Mating Connector (not included) PT06F-10-6S.



CUSTOM CONFIGURATIONS

SERIES PX41	PRESSURE PORT [1]	ELECTRICAL CONNECTION [2]	RANGE (PSI) [3]	UNITS [4]	OUTPUT [5]	OPTIONS [6]
	C = ¼-18 NPT-M +\$20 D = ¼-18 NPT-F no charge S = ¼ HP Tube Fitting (≥10,000 psi ranges) T = Dual ½-14 NPT External ¼-18 NPT Internal		010 015 020 025 030 050 075 100 200 300 500 750 1K 1.5K 2K 2.5K 3K 3.5K 5K 7.5K 10K 15K 20K 30K	S,G,A S,G,A	5V = 0.5 to 5.5 Vdc Output see PX41-5V for base price 5T = 0 to 5 Vdc Output add \$35 all ranges 10V = 0.5 to 10.5 Vdc Output n/c all ranges 10T = 0 to 10 Vdc Output add \$35 all ranges I = 4 to 20 mA Output add \$30 all ranges	FM FM Hazardous Location +\$150 -4-20 mA output model only MSHA Mine Safety and Health Admin. 0.5 to 5.5V or 4-20 mA output OX Cleaned for Oxygen use +\$75 +2 weeks
	0 = 10 ft pigtail +\$2/ft over 10 ft 1 = PT1H-10-6P Connector (or equal) no charge. Mating Connector (not included) order PT06F-10-6S \$26.50					

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

Metric Ranges Available - Consult Engineering

Ordering Examples:

- PX41T1-100GI** is a 100 psi Gage Pressure transmitter with a PT1H-10-6P Connector, and 4-20 mA output, \$450+30 = **\$480**. Mating Connector (not included) **PT06F-10-6S, \$26.50**.
- PX41T0-1KSI-FM** is a 1,000 psi Sealed Gage pressure transmitter with a 10 ft cable, 4-20 mA output, and Factory Mutual approval for use in Hazardous Locations, \$450+30+150 = **\$630**.
- PX41T0-015A10V** is a 15 psi Absolute Pressure transducer with a 10 ft cable, and a 0.5 to 10.5 Vdc output, **\$500**.
- PX41T0-30K5V** is a 30,000 psi Sealed Gage pressure transducer with a 10 ft cable, and a 0.5 to 5.5 Vdc output, **\$450**.