

**SPEC SHEET**  
**PX41-5V**

*Interchangeable with  
Model TH-LCV*

**PX41 Series  
5 Vdc Output**

**0-15 to 0-30,000 psi  
0-1 to 0-2,000 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

- FM and CSA Approved  
Intrinsically Safe Standard
- Special MSHA Approved  
Model Available
- All Stainless Steel  
Construction
- Hermetically Sealed for  
Harsh Environments
- Available in Gage, Sealed  
Gage and Absolute Pressure

The OMEGADYNE™ PX41 Series are high accuracy, low cost 5V output, industrial pressure transducers. Their hermetically sealed, all stainless steel construction makes them suitable for the harshest environments. The PX41 is available in gage, absolute or sealed models. Ten feet of four conductor shielded cable is standard. A Bendix style connector is also available. A wide selection of amplified voltage and current output models in the PX41 family makes this a truly versatile family of industrial transducers.

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

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

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

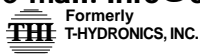
**OMEGADYNE<sup>SM</sup> FAX**

OMEGADYNE's 24-Hour  
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**OMEGADYNE, Inc.**  
149 Stelzer Court, Sunbury, OH 43074  
<http://www.omegadyne.com>  
e-mail: [info@omegadyne.com](mailto:info@omegadyne.com)



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# ECONOMICAL VOLTAGE OUTPUT PRESSURE TRANSDUCER with Unique Dual ½ and ¼ NPT Fitting



**\$450**

Model PX41T0-100G5V

*Shown actual size*

► **Most Popular Models Highlighted** ◀

*Prices Shown in U.S. Dollars*

<b>To Order: (Specify Model Number)</b>			
Range (psi)	Model Number	Price	Compatible Meters
<b>Absolute Pressure (All Ranges Available in Absolute Pressure)</b>			
0-15	PX41T0-015A5V	\$500	INFP, INFCP, IDP
0-20	PX41T0-020A5V	500	INFP, INFCP, IDP
0-30	PX41T0-030A5V	500	INFP, INFCP, IDP
0-50	PX41T0-050A5V	450	INFP, INFCP, IDP
<b>Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)</b>			
0-10	PX41T0-010G5V	500	INFP, INFCP, IDP
0-15	PX41T0-015G5V	500	INFP, INFCP, IDP
0-20	PX41T0-020G5V	500	INFP, INFCP, IDP
0-30	PX41T0-030G5V	500	INFP, INFCP, IDP
0-50	PX41T0-050G5V	450	INFP, INFCP, IDP
0-75	PX41T0-075G5V	450	INFP, INFCP, IDP
0-100	PX41T0-100G5V	450	INFP, INFCP, IDP
0-200	PX41T0-200G5V	450	INFP, INFCP, IDP
0-300	PX41T0-300G5V	450	INFP, INFCP, IDP
0-500	PX41T0-500G5V	450	INFP, INFCP, IDP
0-1000	PX41T0-1KG5V	450	INFP, INFCP, IDP
0-2000	PX41T0-2KG5V	450	INFP, INFCP, IDP
0-2500	PX41T0-2.5KG5V	450	INFP, INFCP, IDP
0-3500	PX41T0-3.5KG5V	450	INFP, INFCP, IDP
0-5000	PX41T0-5KG5V	450	INFP, INFCP, IDP
0-10000	PX41S0-10KG5V	450	INFP, INFCP, IDP
0-20000	PX41S0-20KG5V	450	INFP, INFCP*, IDP*
0-30000	PX41S0-30KG5V	450	INFP, INFCP*, IDP*

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

Interchangeable with Model TH-LCV

Metric Ranges Available - Consult Engineering

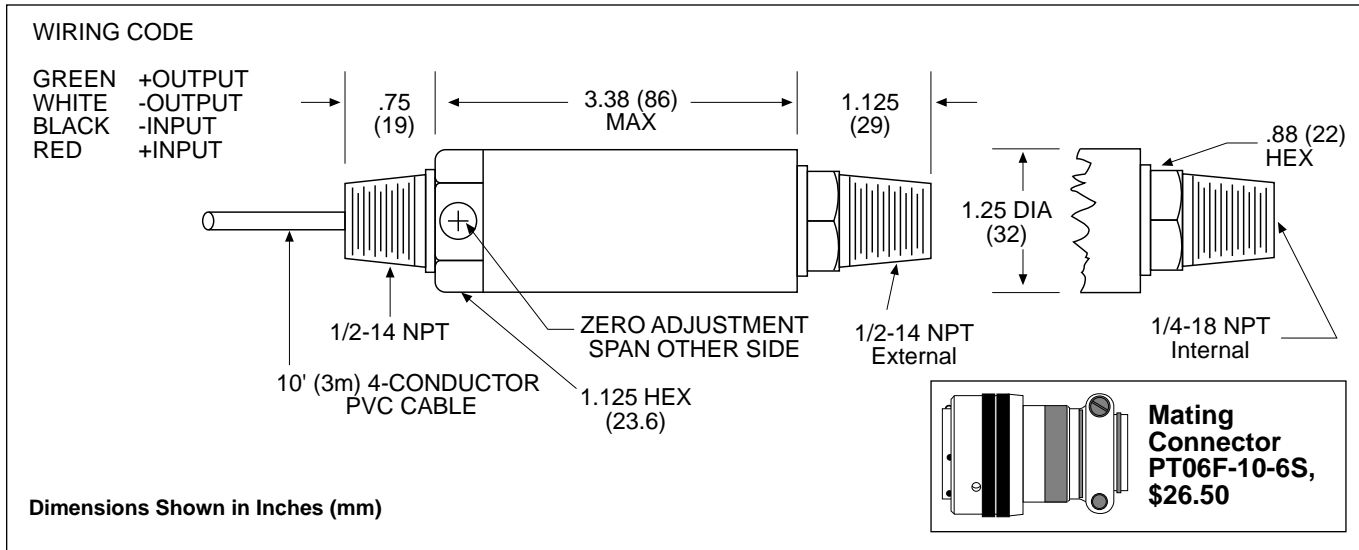
To order Sealed Gage Pressure models, replace "G" in model number with "S".

To order Absolute Pressure models replace "G" in model number with "A".

**Ordering Examples:** 1.) PX41T0-5KG5V is a 5,000 psi Gage Pressure transducer with 0.5 to 5.5 Vdc output, \$450. 2.) PX41T0-015A5V is a 15 psi Absolute Pressure transducer with 0.5 to 5.5 Vdc output, \$500.

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**SPECIFICATIONS:**

**Electrical:**  
**Excitation:** 10-35 Vdc  
**Output:** 0-5 to 5.5Vdc  
**Zero Balance:** 0V adj ±10% FSO  
**Agency Approvals:**  
**FM/CSA Intrinsically Safe:**  
 IS/I.II.III.1/CDEFG - Standard  
**MSHA:** Mine Safety and Health Administration (must be specified at time of order)

**Performance:**  
**Accuracy Class:** 0.25% FSO Linearity and Hysteresis Combined  
**Environmental:**  
**Operational 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% of Rdg/°F  
 Zero: 0.0045% of FSO/°F

**Pressure:**  
**Proof Pressure:**  
 150% of rated pressure  
**Burst Pressure:**  
 300% of rated pressure  
**Wetted Parts:** 17-4 PH Stainless Steel  
**Pressure Port:**  
 <10000 psi: 1/2-14 NPT External, 1/4-18 NPT Internal  
 ≥10,000 psi: 9/16-18, 1/4" HP tube  
**Electrical Connection:** 10 ft (3m) 4-conductor PVC cable

**CUSTOM CONFIGURATIONS**

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

**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:**

- 1.) **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**.
- 2.) **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**.
- 3.) **PX41T0-015A10V** is a 15 psi Absolute Pressure transducer with a 10 ft cable, and a 0.5 to 10.5 Vdc output, **\$500**.
- 4.) **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**.