



**\$380**  
Model Shown

**PX35 SERIES  
mV/V Output**

0-15 to 0-30,000 psi  
0-1 to 0-2000 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/CSA Approved  
Intrinsically Safe - Standard
- ✓ All Stainless Steel  
Construction
- ✓ High Operating Temperature  
163°C (325°F)
- ✓ Hermetically Sealed for Harsh  
Environments
- ✓ Available in Vented Gage,  
Sealed Gage or Absolute  
Pressure Models

The OMEGADYNE™ Transducer Series PX35 is a rugged, general purpose 30 millivolt output, industrial pressure transducer. It has a hermetically sealed, all stainless steel case which makes it suitable for the harsh conditions found in industry. The PX35 is available in gage, absolute or sealed gage models. A Bendix style connector is standard, or a 10 ft cable is also available.

**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

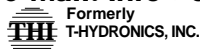
**OMEGADYNE<sup>SM</sup> FAX**

OMEGADYNE's 24-Hour  
On-Line Publishing Service

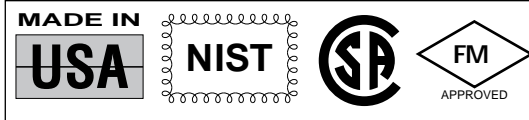
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1-800-DIG-DYNE**

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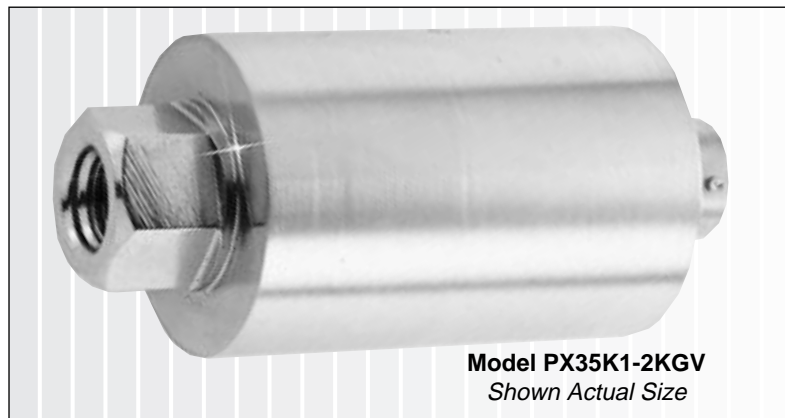
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**SPEC SHEET  
PX35K**

Interchangeable with  
**Model TH-M**

# GENERAL PURPOSE INDUSTRIAL PRESSURE TRANSDUCER



**Model PX35K1-2KGV**  
Shown Actual Size

➔ **Most Popular Models Highlighted** ◀ **Prices Shown in U.S. Dollars**

<b>To Order: (Specify Model Number)</b>			
<b>Models with 1/16-20 Pressure Connection and Bendix Style Connector</b>			
<b>Range (psi)</b>	<b>Model Number</b>	<b>Price</b>	<b>Compatible Meters</b>
<b>Absolute Pressure (All Ranges Available in Absolute Pressure)</b>			
0-10	PX35K1-015AV	\$380	INFS, INFCS
0-20	PX35K1-020AV	380	INFS, INFCS
0-30	PX35K1-030AV	380	INFS, INFCS
0-50	PX35K1-050AV	380	INFS, INFCS
<b>Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)</b>			
0-10	PX35K1-010GV	380	INFS, INFCS
0-20	PX35K1-020GV	380	INFS, INFCS
0-30	PX35K1-030GV	380	INFS, INFCS
0-50	PX35K1-050GV	380	INFS, INFCS
0-100	PX35K1-100GV	380	INFS, INFCS
0-200	PX35K1-200GV	380	INFS, INFCS
0-300	PX35K1-300GV	380	INFS, INFCS
0-500	PX35K1-500GV	380	INFS, INFCS
0-1,000	PX35K1-1KGV	380	INFS, INFCS
0-2,000	PX35K1-2KGV	445	INFS, INFCS
0-3,000	PX35K1-3KGV	445	INFS, INFCS
0-5,000	PX35K1-5KGV	445	INFS, INFCS
0-10,000*	PX35S1-10KGV	445	INFS, INFCS
0-15,000*	PX35S1-15KGV	445	INFS, INFCS**
0-20,000*	PX35S1-20KGV	445	INFS, INFCS**
0-30,000*	PX35S1-30KGV	445	INFS, INFCS**

\* 9/16-18, 1/4" HP Tube Connection  
Interchangeable with Model TH-M

\*\* 4 Digit meter, counts in increments of 10  
Metric Ranges Available - Consult Engineering

To order Absolute Pressure replace the "G" in model number with "A" (no extra charge).  
To order Sealed Gage units replace "G" in model number with "S" (no extra charge).

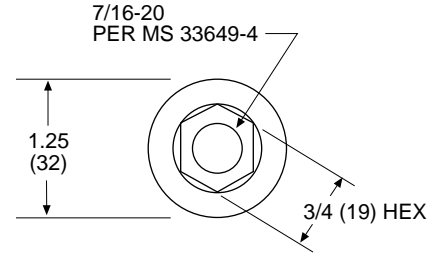
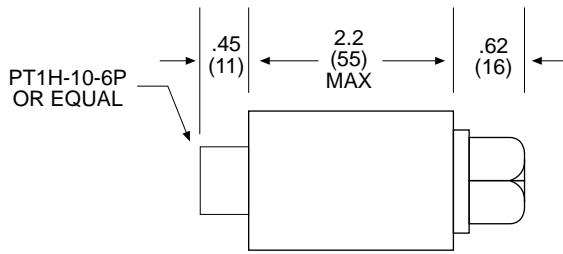
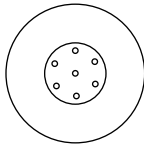
**Ordering Examples:** 1.) PX35K1-300GV-IS is a 300 psi gage pressure transducer, \$380.  
2.) PX35S1-15KGV is a 15,000 psi gage pressure transducer with 9/16-18, 1/4" HP Tube Connection, \$445.

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**Wiring Code**

Pin	Connection
A	+ OUTPUT
B	- OUTPUT
C	- INPUT
D	+ INPUT
E	NC
F	NC



Dimensions shown in inches (mm)



**Performance:**  
**Accuracy Class:** 0.25%  
**Linearity:** ±0.25% of FSO  
**Hysteresis:** ±0.10% of FSO  
**Repeatability:** ±0.05% of FSO  
**Environmental:**  
**Operational Temp Range:** -73 to +163°C (-100 to +325°F)  
**Compensated Temp Range:** +16 to +71°C (60 to +160°F)  
**Thermal Effects:**  
 Span: 0.0030% Rdg/°F  
 Zero: 0.0035% FSO/°F  
**Pressure:**  
**Proof Pressure:** 150% of rated pressure  
**Burst Pressure:** 300% of rated pressure

**Wetted Parts:** 17-4PH Stainless Steel  
**Pressure Port:**  
 <10000 psi: 7/16-20 UNF-2A Internal  
 ≥10,000 psi: 9/16-18, 1/4" HP tube  
**Electrical Connection:** PH1H-10-6P or equal  
**Optional:** 10 ft (3m) PVC Cable  
**Mating Connector:** PT06A-10-6S (not included)

**SPECIFICATIONS:**

**Electrical:**

**Excitation:** 10 V ac/dc (15V max)

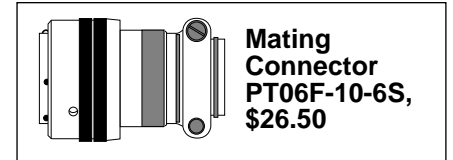
**Output:** 3 mV/V

**Input Resistance:** 360 Ohm Min.

**Output Resistance:** 350 ±5 Ohms

**Zero Balance:** ±2.0% FSO

**Agency Approvals:** FM/CSA  
 Intrinsically Safe IS/1.11.111/1/CDEFG  
 Standard



**CUSTOM CONFIGURATIONS**

SERIES	PRESSURE PORT [ 1 ]	ELECTRICAL CONNECTION [ 2 ]	RANGE (PSI) [ 3 ]	UNITS [ 4 ]	OUTPUT [ 5 ]	OPTIONS [ 6 ]
PX35			10	A, G, S	V = mV/V	OX = Cleaned for Oxygen Service
			15	A, G, S	Base Price PX35D	+ \$75 + 2 weeks
			20	A, G, S	\$360 ≤ 1,000 psi	
			25	A, G, S	\$425 > 1,000 psi	
			30	A, G, S		
			50	A, G, S		
			75	A, G, S		
			100	A, G, S		
			150	A, G, S		
			200	A, G, S		
			250	A, G, S		
			300	A, G, S		
			500	A, G, S		
			750	A, G, S		
			1K	A, G, S		
			1K	A, G, S		
			2K	A, G, S		
			2.5K	A, G, S		
			3K	A, G, S		
			3.5K	A, G, S		
			5K	A, G, S		
			7.5K	A, G, S		
			10K*	A, G, S		
			15K*	A, G, S		
			20K*	A, G, S		
			30K*	A, G, S		

\* 9/16-18, 1/4" HP Tube Connection

**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

Interchangeable with Model TH-M

Metric Ranges Available - Consult Engineering

To order Absolute Pressure replace the "G" in model number with "A" (no extra charge).

To order Sealed Gage units replace "G" in model number with "S" (no extra charge).

**Ordering Examples:** 1.) **PX35K1-300GV** is a 300 psi gage pressure transducer with 9/16-20 female connection and Bendix connector, **\$380**. Mating Connector (not included) **PT06F-10-6S, \$26.50**. 2.) **PX35S1-15KGV** is a 15,000 psi gage pressure transducer with 9/16-18, 1/4" HP Tube Connection and Bendix connector, **\$445**. Mating Connector (not included) **PT06F-10-6S, \$26.50**. 3.) **PX35D0-20AV** is a 20 psi absolute pressure transducer with 1/4-18 NPT-F and 10 ft PVC cable, **\$360**.