

Interchangeable with
Model TH-1VA

\$855
Model Shown

PX01 SERIES
4-20 mA Output

0-2 to 30,000 psi
0-140 mbar to 0-2 kbar

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



**VERY HIGH
ACCURACY
PRESSURE
TRANSMITTER**
7/16-20 O-Ring
Connection

Model PX01K1-075GI
Shown Smaller than Actual Size

- ☑ Very High Accuracy
- ☑ 5-Point Calibration Provided
- ☑ All Stainless Steel Construction
- ☑ Hermetically Sealed Double Diaphragm Design for Harsh Environments
- ☑ Available in Gage, Absolute, Sealed Gage, PSI and Metric Ranges
- ☑ Cable or Connector Models
- ☑ Optional Pressure Ports to Fit Most Industrial Applications

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

To Order: (Specify Model Number)			
Models with 4-20 mA Output / 7/16-20 Connection / Bendix Connector			
Range (psi)	Model Number	Price	Compatible Meters
Absolute Pressure (All Ranges Available in Absolute Pressure)			
0-10	PX01K1-010AI	\$855	INFP, INFCP, IDP
0-15	PX01K1-015AI	855	INFP, INFCP, IDP
0-20	PX01K1-020AI	855	INFP, INFCP, IDP
0-25	PX01K1-025AI	855	INFP, INFCP, IDP
0-50	PX01K1-050AI	855	INFP, INFCP, IDP
Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)			
0-2	PX01K1-002GI	925	INFP, INFCP, IDP
0-5	PX01K1-005GI	925	INFP, INFCP, IDP
0-10	PX01K1-010GI	925	INFP, INFCP, IDP
0-15	PX01K1-015GI	925	INFP, INFCP, IDP
0-50	PX01K1-050GI	855	INFP, INFCP, IDP
0-75	PX01K1-075GI	855	INFP, INFCP, IDP
0-100	PX01K1-100GI	855	INFP, INFCP, IDP
0-200	PX01K1-200GI	855	INFP, INFCP, IDP
0-300	PX01K1-300GI	855	INFP, INFCP, IDP
0-500	PX01K1-500GI	855	INFP, INFCP, IDP
0-1000	PX01K1-1KGI	855	INFP, INFCP, IDP
0-1500	PX01K1-1.5KGI	855	INFP, INFCP, IDP
0-2000	PX01K1-2KGI	855	INFP, INFCP, IDP
0-3500	PX01K1-3.5KGI	855	INFP, INFCP, IDP
0-5000	PX01K1-5KGI	855	INFP, INFCP, IDP
0-7500	PX01K1-7.5KGI	855	INFP, INFCP, IDP
0-10000**	PX01S1-10KGI	925	INFP, INFCP, IDP
0-20000**	PX01S1-20KGI	925	INFP, INFCP*, IDP*
0-30000**	PX01S1-30KGI	925	INFP, INFCP*, IDP*

For Sales and Service
In U.S.A. and Canada
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24-Hour FAX (614) 965-9438

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Document # 3650

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* 4 Digit meter counts in increments of 10. ** 1/4 HP Tube Fitting
Interchangeable with Model TH-1VA Metric Ranges Available - Consult Engineering
To order Absolute Pressure replace "G" in model number with "A" (no charge unless indicated)
To order Gage units replace "G" in model number with "S" (no charge unless indicated)
Ordering Examples: 1.) **PX01K1-500GI** is a 500 psi gage model with 4-20 mA output, a 7/16-20 female pressure fitting, and a **PT1H-10-6P** Connector, **\$855**. 2.) **PX01K1-100AI** is a 100 psi absolute pressure transmitter with 4-20 mA output, a 7/16-20 female pressure fitting, and a **PT1H-10-6P** Connector, **\$855**. 3.) **PX01K1-200SI** is a 200 psi sealed gage pressure transmitter with 4-20 mA output, a 7/16-20 female pressure fitting and a **PT1H-10-6P** Connector, **\$855**. To order Mating Connector (not included) specify **PT06F-10-6S**, **\$26.50**.

The OMEGADYNE™ PX01 Series are very high accuracy, industrial pressure transmitters. Their all stainless steel construction and hermetically sealed case makes them suitable for harsh industrial environments. FM/CSA Intrinsically Safe rating is standard. A broad temperature compensated range of 16 to 71°C (60 to 160°F), high operating range to 121°C (250°F) and excellent temperature compensation make these transducers very stable in applications with fluctuating temperatures. The PX01 is available in gage, absolute or sealed models as well as PSI or metric ranges. NPT and 7/16-20 O-ring seal fittings are available for industrial and Hydraulic applications.

SPECIFICATIONS: 4-20 mA Output

Electrical:
Excitation: 12 - 40 V dc
Output: 4-20 mA ±10% adj.
Zero Balance: +4 mA +10% -2% adj.
Performance:
Accuracy Class: 0.05% Linearity, Hysteresis, Repeatability Combined

Sensing Element: 4 active-arm bridge, using thick film strain gages in a hermetically sealed "double diaphragm" chamber

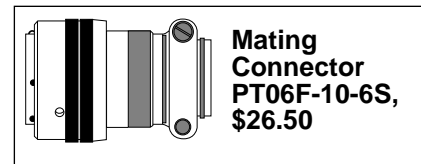
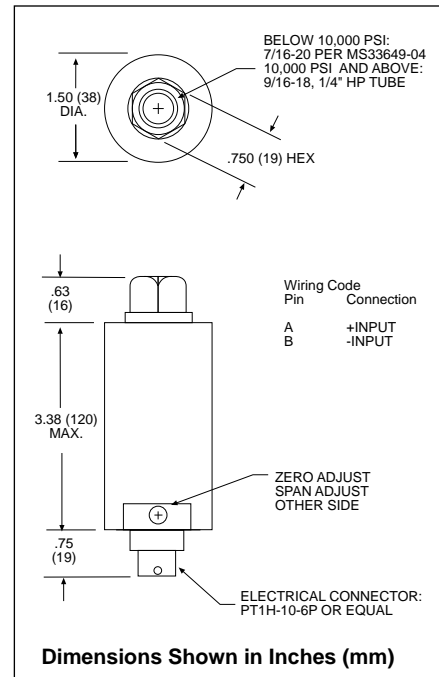
Environmental:
Operational Temp Range: -46 to 121°C (-50 to 250°F)
Compensated Temp Range: 16 to 71°C (60 to 160°F)
Thermal Effects: Span: 0.003% FSO/°F Zero: 0.0025% FSO/°F
Pressure:

Ranges (psi): 2,5,10,15,20,25,50,75,100,150,200,250,300,500,750,1K,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: 17-4PH Stainless Steel
Pressure Port: Ranges <10000 PSI: 7/16-20 UNF-2A female Also Available: 1/4-18 NPT M/F Ranges 10,000-30,000 PSI = 9/16-18, 1/4" HP tube

Electrical Connection: PT1H-10-6P or Equal. Also Available: 3 ft (0.9m) 2-Conductor Cable, Explosion proof Amplifier Housing



CUSTOM CONFIGURATIONS

SERIES	PRESSURE PORT	ELECTRICAL CONNECTION	RANGE (PSI)	UNITS	OUTPUT	OPTIONS
PX01	[1]	[2]	[3]	[4]	[5]	[6]
Models < 10,000 psi			002*	S,G,A	V = mV/V Output	OL = Overload Stops
C = 1/4-18 NPT-M	+\$19		005*	S,G,A	Base Price	+\$45
D = 1/4-18 NPT-F	no charge		010	S,G,A	5T = 0 to 5 Vdc Output	OX = Cleaned for Oxygen use
J = 7/16-20 UNF-M	+\$19		015	S,G,A	+\$155 all ranges	+\$75 & 2 weeks
K = 7/16-20 UNF-F	no charge		020	S,G,A	5Z = Isolated 0 to 5 Vdc Output	
Models ≥10,000 psi			025	S,G,A	+\$190 all ranges	
S = 1/4 HP Tube Fitting	no charge		050	S,G,A	10T = 0 to 10 Vdc Output	
			075	S,G,A	+\$155 all ranges	
	0 = 3 ft (0.9) cable (std)		100	S,G,A	I = 4-20 mA Output	
	+\$2/ft over 3 ft		150	S,G,A	+\$175 all ranges	
	1 = PT1H-10-6P Connector or equal (no charge)		200	S,G,A		
	Mating Connector (not included),		250	S,G,A		
	PT06F-10-6S, \$26.50.		300	S,G,A		
	5 = Lightning protected Amplifier Box (no charge) (4-20 mA models only)		500	S,G,A		
			750	S,G,A		
			1K	S,G,A		
			1.5K	S,G,A		
			2K	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		
			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

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Metric Ranges Available – Consult Engineering

Ordering Examples: 1.) **PX01C1-100GI** is a 100 psi Gage Pressure transducer with a 1/4-18 NPT-Male fitting, a PT1H-10-6P Connector, and 4-20mA output, \$680+175+19 = **\$874**. Mating Connector (not included) order **PT06F-10-6S, \$26.50**.
 2.) **PX01K0-1KS5Z** is a 1,000 Sealed Gage Pressure transducer with a 7/16-20 UNF-Female fitting, a 10 ft cable, and Isolated 0 to 5 Vdc output, \$680+190 = **\$870**.
 3.) **PX01J1-015A5T** is a 15 psi Absolute Pressure transducer with a 7/16-20 UNF-Male fitting, PT1H-10-6P Connector, and 0 to 5 Vdc output, \$680+155+19 = **\$854**. Mating Connector (not included) order **PT06F-10-6S, \$26.50**.