

SPEC SHEET
PX01-INPT

Interchangeable with
Model TH-1VA

\$874
Model Shown

PX01 SERIES
4-20 mA Output
0-2 to 7,500 psi
0-140 mbar to 0-500 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



VERY HIGH ACCURACY PRESSURE TRANSMITTER
1/4 NPT Pressure Connection

Model PX01C1-100GI
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 / 1/4 NPT Connection / Connector Style			
Range (psi)	Model Number	Price	Compatible Meters
Absolute Pressure (All Ranges Available in Absolute Pressure)			
0-10	PX01C1-010AI	\$874	INFP, INFPCP, IDP
0-15	PX01C1-015AI	874	INFP, INFPCP, IDP
0-20	PX01C1-020AI	874	INFP, INFPCP, IDP
0-25	PX01C1-025AI	874	INFP, INFPCP, IDP
0-50	PX01C1-050AI	874	INFP, INFPCP, IDP
Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)			
0-2	PX01C1-002GI	944	INFP, INFPCP, IDP
0-5	PX01C1-005GI	944	INFP, INFPCP, IDP
0-10	PX01C1-010GI	944	INFP, INFPCP, IDP
0-15	PX01C1-015GI	944	INFP, INFPCP, IDP
0-50	PX01C1-050GI	944	INFP, INFPCP, IDP
0-75	PX01C1-075GI	874	INFP, INFPCP, IDP
0-100	PX01C1-100GI	874	INFP, INFPCP, IDP
0-200	PX01C1-200GI	874	INFP, INFPCP, IDP
0-300	PX01C1-300GI	874	INFP, INFPCP, IDP
0-500	PX01C1-500GI	874	INFP, INFPCP, IDP
0-1000	PX01C1-1KGI	874	INFP, INFPCP, IDP
0-1500	PX01C1-1.5KGI	874	INFP, INFPCP, IDP
0-2000	PX01C1-2KGI	874	INFP, INFPCP, IDP
0-2500	PX01C1-2.5KGI	874	INFP, INFPCP, IDP
0-3000	PX01C1-3KGI	874	INFP, INFPCP, IDP
0-3500	PX01C1-3.5KGI	874	INFP, INFPCP, IDP
0-5000	PX01C1-5KGI	874	INFP, INFPCP, IDP
0-7500	PX01C1-7.5KGI	874	INFP, INFPCP, IDP

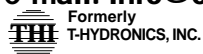
For Sales and Service
In U.S.A. and Canada

1-800-872-3963
1-800-USA-DYNE

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24-Hour FAX (614) 965-9438

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* 4 Digit meter counts in increments of 10.

Interchangeable with Model TH-1VA

Metric Ranges Available - Consult Engineering

For Absolute Pressure replace "G" in model number with "A" (no charge unless indicated)

For Sealed Gage units replace "G" in model number with "S" (no charge unless indicated)

Ordering Examples: 1.) PX01C1-100AI is a 100 psi absolute pressure transmitter with 4-20 mA output, a 1/4 NPT male pressure fitting, and a **PT1H-10-6P** Connector, **\$874**. Mating Connector (not included) **PT06A-10-6S**, **\$26.50** 2.) **PX01C1-200SI** is a 200 psi sealed gage pressure transmitter with 4-20 mA output, a 1/4 NPT male pressure fitting and a **PT1H-10-6P** Connector, **\$874**. Mating Connector (not included) **PT06F-10-6S**, **\$26.50**.

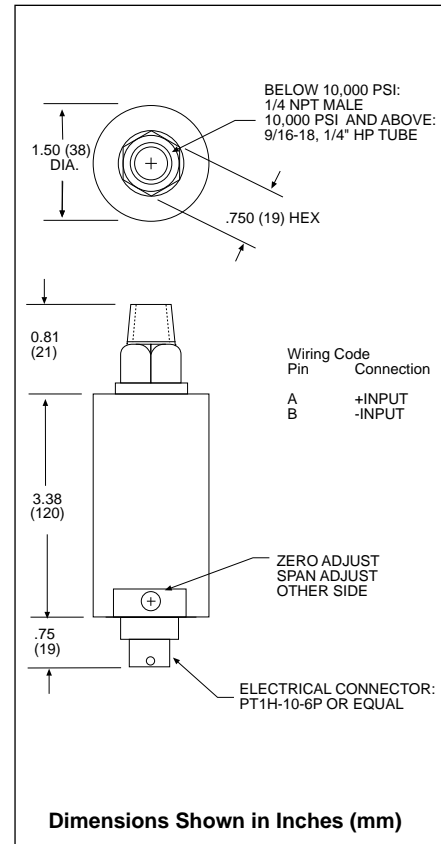
Printed On Recycled Paper



The OMEGADYNE™ PX01 Series transducers are very high accuracy, industrial pressure transmitters. The all stainless steel construction and hermetically sealed case makes it suitable for harsh industrial environments. It is a true high accuracy industrial device with a double diaphragm design for high reliability in industrial areas. 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.

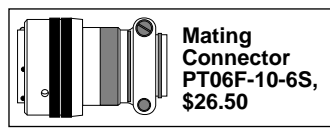
SPECIFICATIONS: 4-20mA Output
Electrical:
Excitation: 12 - 40 V dc
Output: 4-20 mA ±10% adj.
Zero Balance: +4 mA +10% -2% adj.
Performance:
Accuracy Class: 0.05%
Linearity: ±0.05% FSO

Hysteresis: ±0.05% FSO
Repeatability: ±0.05% FSO
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
Proof Pressure: 150% of rated pressure
Burst Pressure: 300% of rated pressure
Mechanical:
Wetted Parts: 17-4PH Stainless Steel
Pressure Port: Ranges <10000 PSI: 1/4-18 NPTM Also Available: 7/16-20 UNF-2A M/F Ranges 10,000-30,000 PSI: 3/8-18, 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 PX01	PRESSURE PORT [1]	ELECTRICAL CONNECTION [2]	RANGE (PSI) [3]	UNITS [4]	OUTPUT [5]	OPTIONS [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
	J = 7/16-20 UNF-M +\$19		015	S,G,A	+\$155 all ranges	Oxygen use
	K = 7/16-20 UNF-F no charge		020	S,G,A	5Z = Isolated 0 to 5 Vdc	+\$75 & 2 weeks
	Models ≥10,000 psi		025	S,G,A	Output +\$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 (0.9m) 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		200	S,G,A		
	or equal (no charge)		250	S,G,A		
	Mating Connector		300	S,G,A		
	(not included)		500	S,G,A		
	PT06F-10-6S \$26.50.		750	S,G,A		
	5 = Lightning protected		1K	S,G,A		
	Amplifier Box (no charge)		1.5K	S,G,A		
	(4-20 mA models only)		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		



**Mating Connector
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

* 2 and 5 psi Ranges available only on amplified output
 † Supplied with 1/4 HP Tube Fitting

Interchangeable with Model TH-1VA

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**.