



\$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
- ☑ 5-Point Calibration Provided
- ☑ All Stainless Steel Construction
- ☑ Hermetically Sealed Double Diaphragm Design for Harsh Environments
- ☑ Available in Gage, Absolute, Sealed Gage and Metric Ranges
- ☑ Optional Pressure Ports to Fit Most Industrial Applications

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

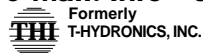
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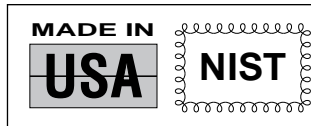
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1-800-DIG-DYNE

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SPEC SHEET
PX01-IHEAD

Interchangeable with
Model TH-1VA

VERY HIGH ACCURACY PRESSURE TRANSMITTER

Lightening Protected Junction Box



Model PX01J5-100GI
Shown Smaller than Actual Size

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

To Order: (Specify Model Number)			
Models with 4-20 mA Output / 1/16-20 Connection / Amplifier Housing			
Range (psi)	Model Number	Price	Compatible Meters
Absolute Pressure (All Ranges Available in Absolute Pressure)			
0-10	PX01J5-010AI	\$855	INFP, INFCP, IDP
0-15	PX01J5-015AI	855	INFP, INFCP, IDP
0-20	PX01J5-020AI	855	INFP, INFCP, IDP
0-25	PX01J5-025AI	855	INFP, INFCP, IDP
0-50	PX01J5-050AI	855	INFP, INFCP, IDP
Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)			
0-2	PX01J5-002GI	925	INFP, INFCP, IDP
0-5	PX01J5-005GI	925	INFP, INFCP, IDP
0-10	PX01J5-010GI	925	INFP, INFCP, IDP
0-15	PX01J5-015GI	925	INFP, INFCP, IDP
0-50	PX01J5-050GI	855	INFP, INFCP, IDP
0-75	PX01J5-075GI	855	INFP, INFCP, IDP
0-100	PX01J5-100GI	855	INFP, INFCP, IDP
0-200	PX01J5-200GI	855	INFP, INFCP, IDP
0-300	PX01J5-300GI	855	INFP, INFCP, IDP
0-500	PX01J5-500GI	855	INFP, INFCP, IDP
0-1000	PX01J5-1KGI	855	INFP, INFCP, IDP
0-2000	PX01J5-2KGI	855	INFP, INFCP, IDP
0-3500	PX01J5-3.5KGI	855	INFP, INFCP, IDP
0-5000	PX01J5-5KGI	855	INFP, INFCP, IDP
0-7500	PX01J5-7.5KGI	855	INFP, INFCP, IDP
0-10000**	PX01S5-10KGI	925	INFP, INFCP, IDP
0-20000**	PX01S5-20KGI	925	INFP, INFCP*, IDP*
0-30000**	PX01S5-30KGI	925	INFP, INFCP*, IDP*

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

Ordering Examples: 1.) PX01J5-500GI is a 500 psi gage model with 4-20mA output, a

1/16-20 female pressure fitting, and a lightening protected explosion-proof Amplifier box, \$855.

2.) PX01J5-100AI is a 100 psi absolute pressure transmitter with 4-20 mA output, a 1/16-20

female pressure fitting, Amplifier box Connection, \$855 3.) PX01J5-200SI is a 200 psi sealed

gage pressure transmitter with 4-20 mA output, a 1/16-20 female pressure fitting and

an Amplifier box Connection, \$855.

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The OMEGADYNE^a 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 within applications with fluctuating temperatures. The PX01 is available in gage, absolute or sealed models as well as PSI or metric ranges. NPT and 1/2-20 O-ring seal fittings are available for industrial and Hydraulic applications.

SPECIFICATIONS: 4-20 mA

Electrical:

Excitation: 12-40 Vdc

Output: 4-20 mA ±10% adj.

Zero Balance: +4 mA +10% -2% adj.

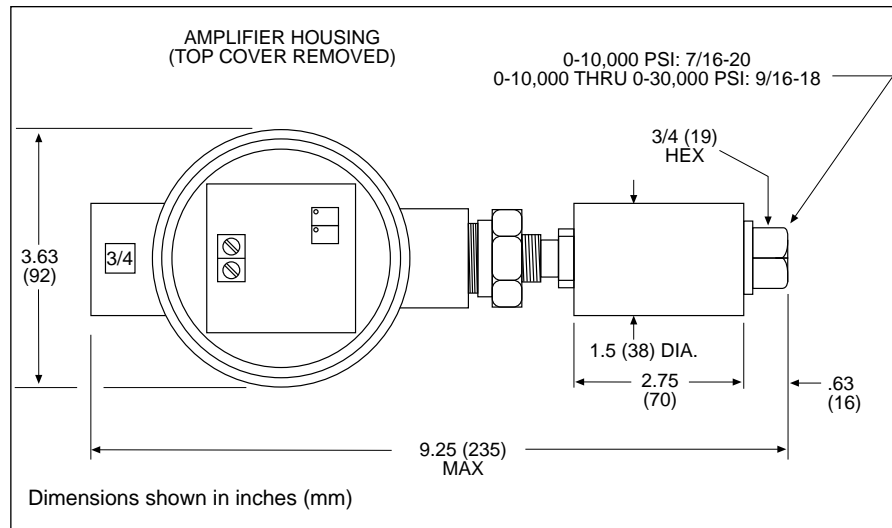
Performance:

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,

0-10,000 PSI: 7/16-20
0-10,000 THRU 0-30,000 PSI: 9/16-18

3/4 (19)
HEX

1.5 (38) DIA.

2.75
(70)

.63
(16)

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:

1/2-20 UNF-2A female. Also available:
1/4-18 NPT M/F Ranges 10,000-30,000
PSI = 9/16-18, 1/2" HP tube

Electrical Connection: Lightening
protected 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 = 1/2-18 NPT-M	+\$19		005*	S,G,A	Base Price	+\$45
D = 1/2-18 NPT-F	no charge		010	S,G,A	5T = 0 to 5Vdc Output	OX = Cleaned for
J = 7/8-20 UNF-M	+\$19		015	S,G,A	+\$155 all ranges	Oxygen use
K = 7/8-20 UNF-F	no charge		020	S,G,A	5Z = Isolated 0 to 5 Vdc	+\$75 & 2 weeks
Models 3 10,000 psi			025	S,G,A	Output +\$190 all ranges	
S = 1/2 HP Tube Fitting	no charge		050	S,G,A	10T = 0 to 10 Vdc Output	
			075	S,G,A	+\$155 all ranges	
			100	S,G,A	I = 4 to 20 mA Output	
			150	S,G,A	+\$175 all ranges	
			200	S,G,A		
			250	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		
			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		

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

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-1VA

Metric Ranges Available - Consult Engineering

Ordering Examples: 1.) PX01C1-100GI is a 100 psi Gage Pressure transducer with a 1/2-18 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 1/2-20 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 7/8-20 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.