



\$669

Model Shown

PX02 SERIES
4-20 mA Output

0-2 to 7,500 psi
0-150 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

- ✓ High Accuracy
- ✓ FM/CSA Intrinsically Safe Standard
- ✓ 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

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

OMEGADYNESM FAX

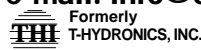
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SPEC SHEET
PX02-INPT

Interchangeable with
Model TH-2VA



HIGH ACCURACY PRESSURE TRANSMITTER

¹UNPT Pressure Connection

Model PX02C1-1KGI
Shown Smaller than Actual Size

► Most Popular Models Highlighted ◀

Prices Shown in U.S. Dollars

To Order: (Specify Model Number)			
Models with ¹ UNPT Connection / Connector Style			
Range (psi)	Model Number	Price	Compatible Meters
Absolute Pressure (All Ranges Available in Absolute Pressure)			
0-10	PX02C1-010AI	\$744	INFP, INFCP, IDP
0-15	PX02C1-015AI	744	INFP, INFCP, IDP
0-20	PX02C1-020AI	744	INFP, INFCP, IDP
0-25	PX02C1-025AI	744	INFP, INFCP, IDP
0-50	PX02C1-050AI	744	INFP, INFCP, IDP
Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)			
0-2	PX02C1-002GI	734	INFP, INFCP, IDP
0-5	PX02C1-005GI	734	INFP, INFCP, IDP
0-10	PX02C1-010GI	734	INFP, INFCP, IDP
0-15	PX02C1-015GI	734	INFP, INFCP, IDP
0-50	PX02C1-050GI	734	INFP, INFCP, IDP
0-75	PX02C1-075GI	669	INFP, INFCP, IDP
0-100	PX02C1-100GI	669	INFP, INFCP, IDP
0-200	PX02C1-200GI	669	INFP, INFCP, IDP
0-300	PX02C1-300GI	669	INFP, INFCP, IDP
0-500	PX02C1-500GI	669	INFP, INFCP, IDP
0-1000	PX02C1-1KGI	669	INFP, INFCP, IDP
0-1500	PX02C1-1.5KGI	669	INFP, INFCP, IDP
0-2000	PX02C1-2KGI	669	INFP, INFCP, IDP
0-3500	PX02C1-3.5KGI	669	INFP, INFCP, IDP
0-5000	PX02C1-5KGI	669	INFP, INFCP, IDP
0-7500	PX02C1-7.5KGI	669	INFP, INFCP, IDP

* 4 digit meter counts in increments of 10.

Interchangeable with Model TH-2VA

Metric Ranges Available - Consult Engineering

For Absolute Pressure replace OGO in model number with OAO (no charge unless indicated)

For Sealed Gage Pressure replace OGO in model number with OSO (no charge unless indicated)

Ordering Examples: 1.) **PX02C1-1KGI** is a 1,000 psi gage transducer with 4-20 mA output, twist lock connector and ¹UNPT male pressure connection, \$669. Mating Connector (not included) **PT06F-10-6S**, \$26.50.

2.) **PX02C1-010AI** is a 10 psi Absolute transducer with 4-20 mA output, twist lock connector and ¹UNPT male pressure connection, \$744.

Printed On Recycled Paper



The OMEGADYNE[®] PX02 Series are high accuracy, industrial pressure transmitters. All stainless steel construction and hermetically sealed case makes the PX02 suitable for harsh industrial environments. FM/CSA Intrinsically Safe approvals are 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 this transducer very stable for applications with fluctuating temperatures.

The PX02 is available in gage, absolute or sealed models as well as PSI or metric ranges.

SPECIFICATIONS: 4-20 mA Output

Electrical:

Excitation: 12-40 Vdc

Output: 4-20 mA ±10% adj

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

Agency Approvals: (Must be specified at time of order) FM/CSA Intrinsically Safe IS/I.II.III/1/ABCDEF

Performance:

Accuracy Class: 0.15%

Linearity: ±0.15%

Hysteresis: ±0.15%

Repeatability: ±0.15%

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: 0.0045% of Rdg/F Zero: 0.005% of 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

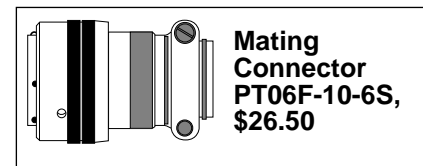
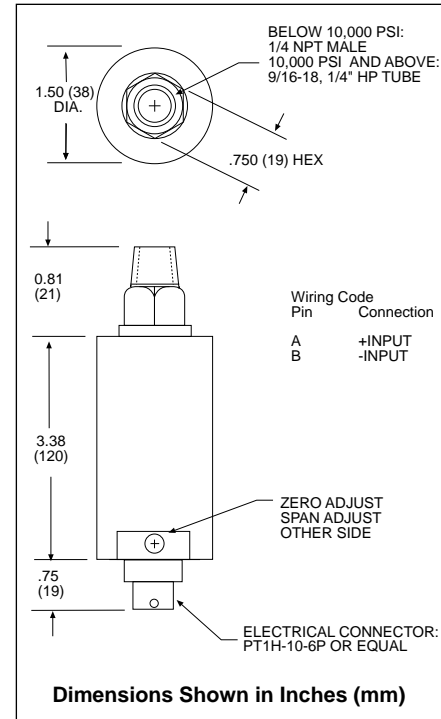
Mechanical:

Wetted Parts: 17-4PH Stainless Steel

Pressure Port: Ranges <10,000 PSI: 1/8-18 NPTM. Also Available: 1/8-18 NPT F, 7/16-20 UNF-2A M/F Ranges 10,000-30,000 PSI: 9/16-18, 1/2" HP tube

Electrical Connection: PT1H-10-6P or equal. Also available: 3 ft (1m) 6-conductor cable

Mating Connector: PT06F-10-6S (not included)



CUSTOM CONFIGURATIONS

SERIES PX02	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	FM = FM Hazardous
	C = 1/8 NPT-M +\$19		005*	S,G,A	Base Price	Location - +\$150
	D = 1/8 NPT-F no charge		010	S,G,A	5T = 0 to 5Vdc Output	mV/V models
	J = 7/16-20 UNF-M +\$19		015	S,G,A	+ \$155 all ranges	only
	K = 7/16-20 UNF-F no charge		020	S,G,A	5Z = Isolated 0 to 5 Vdc	OL = Overload Stops
	Models ≥ 10,000 psi		025	S,G,A	Output + \$190 all ranges	+ \$45
	S = 1/2 HP Tube Fitting		050	S,G,A	10T = 0 to 10 Vdc Output	OX = Cleaned for
	no charge		075	S,G,A	Output + \$155 all ranges	Oxygen use
			100	S,G,A	I = 4 to 20mA Output	+ \$75 & 2 weeks
	0 = 10ft cable (std)		150	S,G,A	+ \$175 all ranges	
	+ \$2/ft over 10 ft		200	S,G,A		
	1 = PT1H-10-6P Connector		250	S,G,A		
	(or equal) (no charge)		300	S,G,A		
	Mating Connector not included, order PT06F-10-6S		500	S,G,A		
	\$26.50		750	S,G,A		
	5 = Lightening protected		1K	S,G,A		
	Amplifier Box (no charge)		1.5K	S,G,A		
	(4-20mA 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		
	<i>* 2 and 5 psi Ranges available only on amplified output</i>					
	<i>Supplied with 1/2 HP Tube Fitting</i>					
	PSIA - add \$10 on 5V and 4-20mA models					

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-2VA

Metric Ranges Available - Consult Engineering

Ordering Examples: 1.) **PX02C1-100GI** is a 100 psi Gage Pressure transducer with a 1/8 NPT-Male fitting, a PT1H-10-6P Connector, and 4-20 mA output, \$475+175+19 = **\$669**. To order Mating Connector (not included) **PT06F-10-6S, \$26.50**.

2.) **PX02K0-1K55Z** is a 1,000 psi Sealed Gage Pressure transducer, with a 7/16-20 UNF-Female fitting, a 10 ft (3m) cable, and Isolated 0 to 5 output, \$475+190 = **\$665**.

3.) **PX02J1-015A5T** is a 15 psi Absolute Pressure transducer with, a 7/16-20 UNF-Male fitting, PT1H-10-6P Connector, and a 0 to 5 Vdc output, \$540+155+19 = **\$714**. To order Mating Connector (not included) **PT06F-10-6S, \$26.50**.

4.) **PX02K1-025GV-FM** is a 25 psi Gage Pressure transducer, with a 7/16-20 UNF-Female fitting, a PT1H-10-6P Connector, mV/V output, and Factory Mutual Hazardous Locations rating, \$540+150 = **\$690**.