



\$649

Model Shown

PX02 SERIES
0-5 Vdc 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

- ☑ Internal Shunt-Resistor for Easy System Checks
- ☑ 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

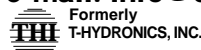
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SPEC SHEET
PX02-5VNPT

Interchangeable with
Model TH-2V



**HIGH
ACCURACY
AMPLIFIED
VOLTAGE
OUTPUT
PRESSURE
TRANSDUCER**
**1/8 NPT Pressure
Connection**

Model PX02C1-200G5T

Shown Actual Size

► Most Popular Models Highlighted ◀

Prices Shown in U.S. Dollars

To Order: (Specify Model Number)			
Models with 1/8-20 Connection / Connector Style			
Range (psi)	Model Number	Price	Compatible Meters
Absolute Pressure (All Ranges Available in Absolute Pressure)			
0-10	PX02C1-010A5T	\$724	INFP, INFCP, IDP
0-15	PX02C1-015A5T	724	INFP, INFCP, IDP
0-20	PX02C1-020A5T	724	INFP, INFCP, IDP
0-25	PX02C1-025A5T	724	INFP, INFCP, IDP
0-50	PX02C1-050A5T	724	INFP, INFCP, IDP
Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)			
0-2	PX02C1-002G5T	714	INFP, INFCP, IDP
0-5	PX02C1-005G5T	714	INFP, INFCP, IDP
0-10	PX02C1-010G5T	714	INFP, INFCP, IDP
0-15	PX02C1-015G5T	714	INFP, INFCP, IDP
0-50	PX02C1-050G5T	714	INFP, INFCP, IDP
0-75	PX02C1-075G5T	649	INFP, INFCP, IDP
0-100	PX02C1-100G5T	649	INFP, INFCP, IDP
0-200	PX02C1-200G5T	649	INFP, INFCP, IDP
0-300	PX02C1-300G5T	649	INFP, INFCP, IDP
0-500	PX02C1-500G5T	649	INFP, INFCP, IDP
0-1000	PX02C1-1KG5T	649	INFP, INFCP, IDP
0-1500	PX02C1-1.5KG5T	649	INFP, INFCP, IDP
0-2000	PX02C1-2KG5T	649	INFP, INFCP, IDP
0-3500	PX02C1-3.5KG5T	649	INFP, INFCP, IDP
0-5000	PX02C1-5KG5T	649	INFP, INFCP, IDP
0-7500	PX02C1-7.5KG5T	649	INFP, INFCP, IDP

* 4 digit meter, counts in increments of 10.

Interchangeable with Model TH-2V

Metric Ranges Available - Consult Engineering

To order Absolute Pressure replace the ÔÔ in model number with ÔÔÔ (no charge).

To order Sealed Gage units replace ÔÔÔ in model number with ÔÔÔ (no charge).

Ordering Examples: 1.) **PX02C1-1KG5T** is a 1,000 psi gage transducer with 0-5 V output, twist lock connector and 1/8 NPT male pressure connection, \$649. Mating Connector (not included) **PT06F-10-6S**, \$26.50. 2.) **PX02C1-010G5T** is a 10 psi gage transducer with 0-5 V output, twist lock connector and 1/8 NPT male pressure connection, \$714. Mating Connector (not included) **PT06F-10-6S**, \$26.50.

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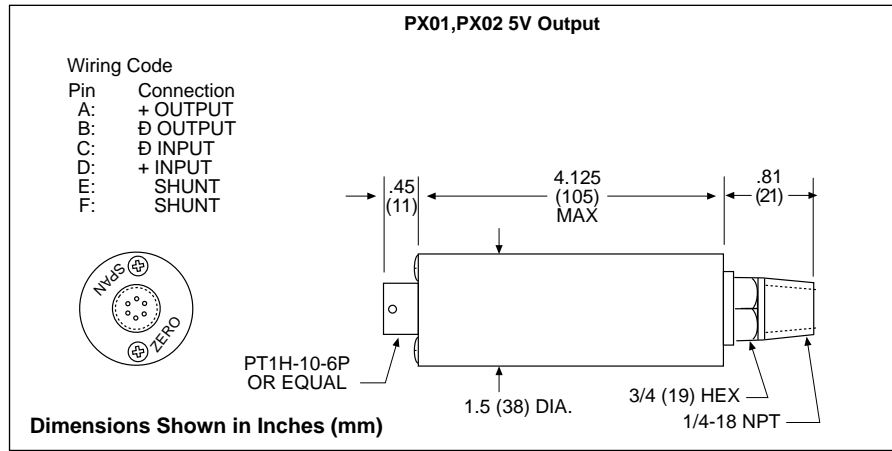


The OMEGADYNE^a PX02 Series are high accuracy, amplified voltage output, industrial pressure transducers. All stainless steel construction and a hermetically sealed case makes the PX02 suitable for harsh industrial environments. They are true high accuracy industrial devices with FM/CSA approvals for Intrinsic Safety as a standard feature. A broad temperature compensated range of 16 to 71°C (60 to 160°F) and excellent temperature compensation make this transducer very stable with fluctuating temperatures.

The PX02 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: 5 Vdc Output

Electrical:
Excitation: 24 - 32 V ac/dc
Output: 0-5 Vdc ±10% adj
Zero Balance: 0V ±10% adj
Agency Approvals: FM/CSA
 Intrinsically Safe IS/I.II.III/1/CDEFG
 Standard
Performance:
Accuracy Class: 0.15%
Linearity: ±0.15% 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
Shunt Calibration Value: Specified on Calibration sheet
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% of FSO/°F Zero: 0.0025% 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 <10000 PSI: 1/4-18 NPTM. Also Available: 1/2-20 UNF-2A M/F or 1/4-18 NPTF
 Ranges 10000-30000 PSI: 3/8-18, 1/2 HP tube
Electrical Connection: PT1H-10-6P or equal. Also available: 10 ft (3m) 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 Locations
	C = 1/4-18 NPT-M +\$19		005*	S,G,A	Base Price	
	D = 1/4-18 NPT-F no charge		010	S,G,A	5T = 0 to 5Vdc Output	+\$150 mV/V models only
	J = 1/2-20 UNF-M +\$19		015	S,G,A	+\$155 all ranges	
	K = 3/8-20 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	+\$190 all ranges	+\$45
	S = 1/2 HHP Tube Fitting no charge		050	S,G,A	10T = 0 to 10 Vdc Output	OX = Cleaned for Oxygen use
			075	S,G,A	+\$155 all ranges	+\$75 & 2 weeks
	0 = 10ft cable (std)		100	S,G,A	I = 4 to 20mA Output	
	+\$2/ft over 10 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, order PT06F-10-6S \$26.50		250	S,G,A		
	5 = Lightning protected Amplifier Box (no charge) (4-20mA models only)		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		

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

Interchangeable with Model TH-2V

Metric Ranges Available - Consult Engineering

- Ordering Examples:** 1.) **PX02C1-100GI** is a 100 psi Gage Pressure transducer with a 1/4-18 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.) **PX02K0-1KS5Z** is a 1,000 psi Sealed Gage Pressure transducer, with a 1/2-20 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 1/2-20 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.) **PX02K5-025GV** is a 25 psi Gage Pressure transducer, with a 1/2-20 UNF-Female fitting, mV/V output, and a lightning protected amplifier housing, \$540.