



SPEC SHEET
PX02-I

Interchangeable with
Model TH-2VA

\$650
Model Shown

PX02 SERIES
4-20 mA Output
0-2 to 30,000 psi
0-700 mbar to 0-2000 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 PRESSURE TRANSMITTER
7/16-20 Pressure Connection

Model PX02K1-075GI
Shown Smaller than Actual Size

- High Accuracy
- FM/CSA Intrinsically Safe - Standard
- All Stainless Steel Construction
- Hermetically Sealed for Harsh Environments
- Available in Gage, Absolute, or Sealed Gage, psi and Metric Ranges
- Cable or Connector Models
- Optional Pressure Ports to Fit Most Industrial Applications

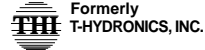
► **Most Popular Models Highlighted** ◀ Prices Shown in U.S. Dollars

To Order: (Specify Model Number)			
Models with 7/16-20 Connection / Connector Style			
Range (psi)	Model Number	Price	Compatible Meters
Absolute Pressure (All Ranges Available in Absolute Pressure)			
0-10	PX02K1-010AI	\$725	INFP, INFCP, IDP
0-15	PX02K1-015AI	725	INFP, INFCP, IDP
0-20	PX02K1-020AI	725	INFP, INFCP, IDP
0-25	PX02K1-025AI	725	INFP, INFCP, IDP
0-50	PX02K1-050AI	725	INFP, INFCP, IDP
Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)			
0-2	PX02K1-002GI	715	INFP, INFCP, IDP
0-5	PX02K1-005GI	715	INFP, INFCP, IDP
0-10	PX02K1-010GI	715	INFP, INFCP, IDP
0-15	PX02K1-015GI	715	INFP, INFCP, IDP
0-50	PX02K1-050GI	715	INFP, INFCP, IDP
0-75	PX02K1-075GI	650	INFP, INFCP, IDP
0-100	PX02K1-100GI	650	INFP, INFCP, IDP
0-200	PX02K1-200GI	650	INFP, INFCP, IDP
0-300	PX02K1-300GI	650	INFP, INFCP, IDP
0-500	PX02K1-500GI	650	INFP, INFCP, IDP
0-1000	PX02K1-1KGI	650	INFP, INFCP, IDP
0-1500	PX02K1-1.5KGI	650	INFP, INFCP, IDP
0-2000	PX02K1-2KGI	650	INFP, INFCP, IDP
0-3500	PX02K1-3.5KGI	650	INFP, INFCP, IDP
0-5000	PX02K1-5KGI	650	INFP, INFCP, IDP
0-7500	PX02K1-7.5KGI	650	INFP, INFCP, IDP
0-10000*	PX02S1-10KGI	750	INFP, INFCP, IDP
0-20000*	PX02S1-20KGI	750	INFP, INFCP*, IDP*
0-30000*	PX02S1-30KGI	750	INFP, INFCP*, IDP*

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In U.S.A. and Canada
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* 4 digit meter counts in increments of 10. ** 1/4 HP Tube Fitting
Interchangeable with Model TH-2VA Metric Ranges Available - Consult Engineering
For Absolute Pressure replace the "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.) **PX02K1-1KGI** is a 1,000 psi gage transducer with 4-20 mA output, twist lock connector and 7/16-20 female pressure connection, \$650. Mating Connector (not included) **PT06F-10-6S, \$26.50.**
2.) **PX02K1-015SI** is a 15 psi sealed gage transducer with 4-20 mA output, twist lock connector and 7/16-20 female pressure connection, \$715. Mating Connector (not included) **PT06F-10-6S, \$26.50.**

The OMEGADYNE PX02 Series are high accuracy, industrial pressure transmitters. All stainless steel construction and a hermetically sealed case make the PX02 suitable for harsh industrial environments. It is a true high accuracy industrial device with FM/CSA Intrinsic Safety approvals 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. 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

Agency Approvals: FM/CSA
Intrinsically Safe IS/I.II.III/1/ABCDEFG
Standard

Performance:

Accuracy Class: 0.15% Combined
Linearity, Hysteresis, and Repeatability

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,10K,20K,30K

Proof Pressure:

150% of rated pressure

Burst Pressure:

300% of rated pressure

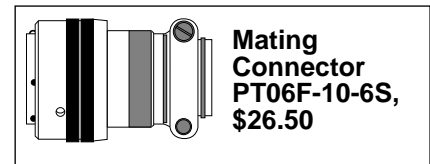
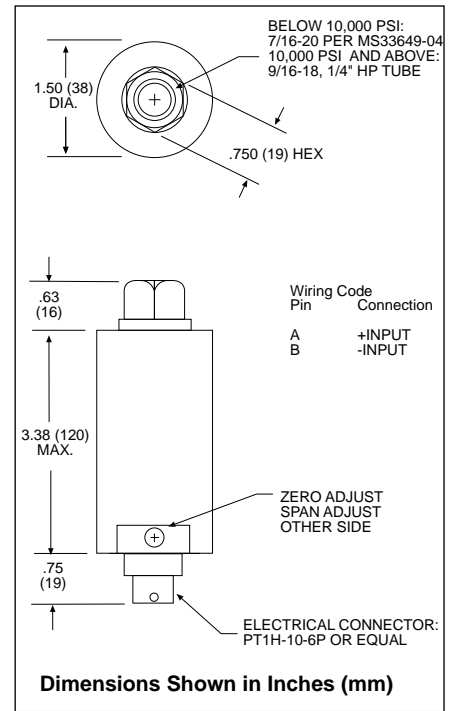
Mechanical:

Wetted Parts: 17-4PH SS

Pressure Port : Ranges <10,000 PSI:
7/16-20 UNF-2A Female. Also available:
1/4-18 NPT M/F, 7/16-20 UNF-2A Male
Ranges 10,000-30,000 PSI: 9/16-18,
1/4" 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
	C = 1/4-18 NPT-M +\$19		005*	S,G,A	Base Price all ranges	Location - +\$150
	D = 1/4-18 NPT-F no charge		010	S,G,A	5T = 0 to 5 Vdc Output	mV/V model only
	J = 7/16-20 UNF-M +\$19		015	S,G,A	+\$155 all ranges	OL = Overload Stops
	K = 7/16-20 UNF-F no charge		020	S,G,A	5Z = Isolated 0 to 5 Vdc	+\$45
	Models ≥10,000 psi		025	S,G,A	Output +\$190 all ranges	OX = Cleaned for
	S = 1/4 HP Tube Fitting		050	S,G,A	10T = 0 to 10 Vdc Output	Oxygen use
	no charge		075	S,G,A	+\$155 all ranges	+\$75 & 2 weeks
	0 = 10 ft (3m) cable (std)		100	S,G,A	I = 4 to 20 mA Output	
	+\$2/ft over 10 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) order		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		

- 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 1/4-18 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.) **PX02K0-1K55Z** 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**.