



\$699

Model Shown

PX01 SERIES
mV/V Output

0-10 to 7,500 psi
0-700 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
- ✓ High Operating Temperature 163°C (325°F)
- ✓ FM/CSA Approved Intrinsically Safe - Standard
- ✓ 5-Point Calibration Provided
- ✓ All Stainless Steel Construction
- ✓ Shunt Calibration for Fast System Set Up
- ✓ 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

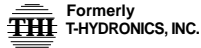
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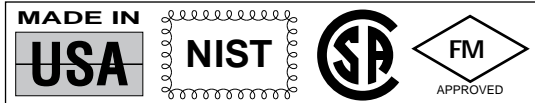
Document # 3653

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SPEC SHEET
PX01-MV-NPT

Interchangeable with
Model TH-1



**VERY HIGH
ACCURACY
MILLIVOLT
OUTPUT
PRESSURE
TRANSDUCER**
1/8" NPT Pressure
Connection

Model PX01C1-100GV \$699
Shown Smaller than Actual Size

➔ Most Popular Models Highlighted ➔

Prices Shown in U.S. Dollars

To Order: (Specify Model Number)			
Models with NPT Pressure Connection / Connector Style			
Range (psi)	Model Number	Price	Compatible Meters
Absolute Pressure (All Ranges Available in Absolute Pressure)			
0-10	PX01C1-010AV	\$699	INFS, INFCS
0-15	PX01C1-015AV	699	INFS, INFCS
0-20	PX01C1-020AV	699	INFS, INFCS
0-25	PX01C1-025AV	699	INFS, INFCS
0-50	PX01C1-050AV	699	INFS, INFCS
Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)			
0-10	PX01C1-010GV	769	INFS, INFCS
0-15	PX01C1-015GV	769	INFS, INFCS
0-50	PX01C1-050GV	699	INFS, INFCS
0-75	PX01C1-075GV	699	INFS, INFCS
0-100	PX01C1-100GV	699	INFS, INFCS
0-200	PX01C1-200GV	699	INFS, INFCS
0-300	PX01C1-300GV	699	INFS, INFCS
0-500	PX01C1-500GV	699	INFS, INFCS
0-1000	PX01C1-1KGV	699	INFS, INFCS
0-1500	PX01C1-1.5KGV	699	INFS, INFCS
0-2000	PX01C1-2KGV	699	INFS, INFCS
0-3000	PX01C1-3KGV	699	INFS, INFCS
0-3500	PX01C1-3.5KGV	699	INFS, INFCS
0-5000	PX01C1-5KGV	699	INFS, INFCS
0-7500	PX01C1-7.5KGV	699	INFS, INFCS

Interchangeable with Model TH-1

Metric Ranges Available - Consult Engineering

To order Absolute Pressure replace ÖGÖ in model number with ÖAÖ (no extra charge on mV models)

To order Sealed Gage units replace ÖGÖ in model number with ÖSÖ (no extra charge)

Ordering Examples: 1.) **PX01C1-500GV** is a 500 psi gage model with mV/V output, a 1/8" NPT male fitting, and a PT1H-10-6P Connector, \$699. 2.) **PX01C1-100AV** is a 100 psi absolute pressure transducer with 1/8" NPT thread, \$699. 3.) **PX01C1-200SV** is a 200 psi sealed gage pressure transducer with 1/8" NPT thread, \$699. To order Mating Connector (not included) specify **PT06A-10-6S, \$26.50.**

Printed On Recycled Paper



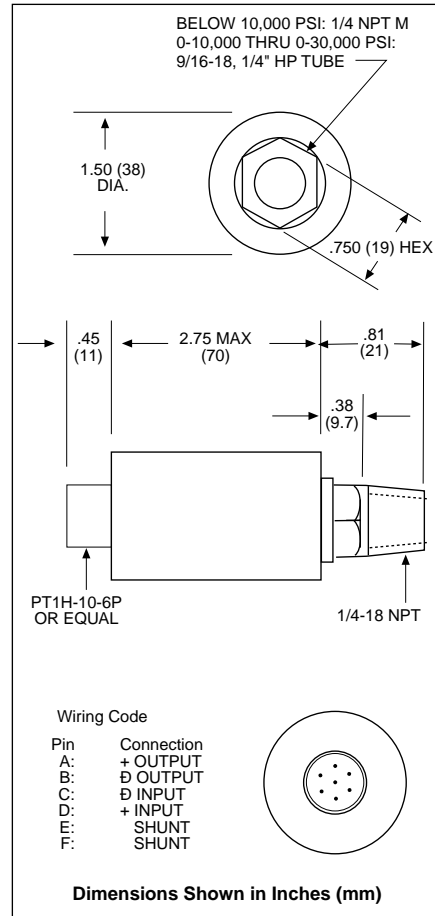
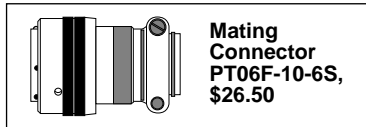
The OMEGADYNE[®] PX01 Series are very high accuracy, millivolt output, industrial pressure transducers. All stainless steel construction and a hermetically sealed case makes the PX01 suitable for harsh industrial environments. It is a true high accuracy industrial device with FM/CSA approvals standard. The PX01 has a high operating range, a broad compensated range and excellent temperature compensation which give stable readings in applications with fluctuating temperatures. It 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: mV/V Output

- Electrical:**
- Excitation:** 10 V ac/dc (15 V max)
- Output:** 3 mV/V ±0.25%
- Input Resistance:** 360 Ohm Min.
- Output Resistance:** 350 ±5 Ohms
- Zero Balance:** 1.0% FSO
- Agency Approvals:** FM/CSA Intrinsically Safe IS/I.II.III/1/CDEFG - Standard
- 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 Odouble diaphragm chamber

- Environmental:**
- Operational Temp Range:** -73 to +163°C (-100 to +325°F)
- Compensated Temp Range:** +16 to +71°C (+60 to +160°F)
- Thermal Effects:** Span: 0.0015% FSO/°F Zero: 0.001% FSO/°F
- Shunt Calibration:** Value specified on Calibration sheet
- 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:** 1.5 times rated pressure
- Burst Pressure:** 3.0 time rated pressure
- Mechanical:**
- Wetted Parts:** 17-4PH SS
- Pressure Port:** Ranges <10000 PSI: 1/4-18 NPTM Also available: 7/16-20 UNF-2A M/F Ranges 10000-30000 PSI: 9/16-18, 1/4" HP tube
- Electrical Connection:** PT1H-10-6P or Equal
- Mating Connector:** PT06A-10-6S (not included)



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 +\$45
C = 1/4-18 NPT-M	+\$19		005*	S,G,A	5T = 0 to 5Vdc Output +\$155 all ranges	OX = Cleaned for Oxygen use +\$75 & 2 weeks
D = 1/4-18 NPT-F no charge			010	S,G,A	5Z = Isolated 0 to 5 Vdc +\$190	
J = 7/16-20 UNF-M	+\$19		020	S,G,A	10T= 0 to 10 Vdc Output +\$155 all ranges	
K = 7/16-20 UNF-F no charge			025	S,G,A	I = 4 to 20mA Output +\$175 all ranges	
Models ≥ 10,000 psi			050	S,G,A		
S = 1/4HP Tube Fitting no charge			075	S,G,A		
			100	S,G,A		
	0 = 10ft cable (std) +\$2/ft over 10ft		150	S,G,A		
	1 = PT1H-10-6P Connector (or equal) (no charge) Mating Connector (not included), PT06F-10-6S \$26.50.		200	S,G,A		
	5 = Lightning protected Amplifier Box (no charge) (4-20mA models only)		250	S,G,A		
			300	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 with amplified output

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-1

Metric Ranges Available Ø 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.