

**SPEC SHEET**  
PX22-mV

Interchangeable with  
Model TH-2M

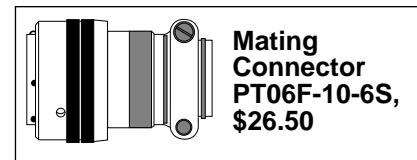
# SANITARY FLANGE TRANSDUCERS

## 2" Tri-Clover Style High Temperature

**\$495**  
Model Shown

**PX22 Series**  
**mV/V Output**  
0-10 to 1,000 psi  
0-800 mbar to 70 bar

1 bar = 14.5 psi  
1 kg/cm<sup>2</sup> = 14.22 psi  
1 Atmosphere = 14.7 psi = 29.93 in-Hg = 760.2 mm-Hg = 1.014 bar



Model PX22U1-020SV \$495  
Shown Smaller than Actual Size

- ☑ FM and CSA Approved  
Intrinsically Safe - Standard
- ☑ All Stainless Steel  
Construction
- ☑ High Operating Temperature  
163°C (325°F)
- ☑ Hermetically Sealed for Harsh  
Environments
- ☑ Available in Gage, Sealed  
Gage or Absolute Pressure  
Models
- ☑ Also Available with 1/2" and 3/4"  
Tri-Clover Fitting

For Sales and Service  
In U.S.A. and Canada

**1-800-872-3963<sup>SM</sup>**  
**1-800-USA-DYNE**

International Customers Dial  
**(614) 965-9340**  
24-Hour FAX (614) 965-9438

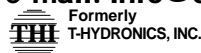
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► Most Popular Models Highlighted ◀

Prices Shown in U.S. Dollars

To Order: (Specify Model Number)			
Range (psi)	Model Number	Price	Compatible Meters
<b>Absolute Pressure (All Ranges Available in Absolute Pressure)</b>			
0-10	PX22U1-010AV	\$550	INFS, INFCS
0-15	PX22U1-015AV	550	INFS, INFCS
0-20	PX22U1-020AV	550	INFS, INFCS
0-25	PX22U1-025AV	550	INFS, INFCS
0-30	PX22U1-030AV	550	INFS, INFCS
0-50	PX22U1-050AV	550	INFS, INFCS
<b>Sealed Gage Pressure (All Ranges Also Available in Gage Pressure)</b>			
0-10	PX22U1-010SV	495	INFS, INFCS
0-15	PX22U1-015SV	495	INFS, INFCS
0-20	PX22U1-020SV	495	INFS, INFCS
0-25	PX22U1-025SV	495	INFS, INFCS
0-50	PX22U1-050SV	495	INFS, INFCS
0-75	PX22U1-075SV	495	INFS, INFCS
0-100	PX22U1-100SV	495	INFS, INFCS
0-200	PX22U1-200SV	495	INFS, INFCS
0-300	PX22U1-300SV	495	INFS, INFCS
0-500	PX22U1-500SV	495	INFS, INFCS
0-750	PX22U1-750SV	495	INFS, INFCS
0-1,000	PX22U1-1KSV	495	INFS, INFCS

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Metric Ranges Available - Consult Engineering

To order Gage Pressure replace the "S" in the model number with a "G".  
To order Absolute Pressure replace the "S" in the model number with a "A".

Ordering Examples: 1.) PX22U1-300GV is a 300 psi Gage Pressure model with mV/V output, \$495.

2.) PX22U1-025AV is a 25 psi Absolute Pressure model with mV/V output, \$550.

Printed On Recycled Paper



## Easy to take apart and clean in sanitary applications

The OMEGADYNE™ PX22 Series is a rugged, 2" Tri-Clover transducer for use in sanitary, pharmaceutical and food processing applications. The PX22 with mV/V output has very high operating and compensated temperature ratings making it ideal for use in high temperature sterilization and processing applications. The hermetically sealed case and all stainless steel construction makes it suitable for the harshest wet environments.

The PX22 is available in Gage, Sealed Gage or Absolute models. A Bendix style connector is standard.

### SPECIFICATIONS: mV/V Output

#### Electrical:

**Excitation:** 10 V ac/dc (15 V max)

**Output:** 3 mV/V

**Bridge Resistance:** 350 Ohms nominal

**Zero Balance:** 1.0% FSO

**Agency Approvals:** FM/CSA

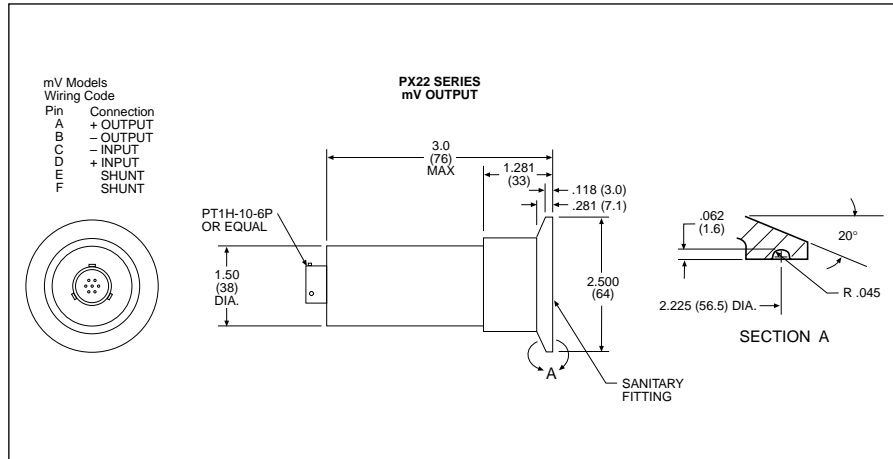
Intrinsically safe IS/1.11.111/1/CDEFG Standard

#### Performance:

**Accuracy Class:** 0.15%

**Linearity:**  $\pm 0.15\%$  of FSO

**Hysteresis:**  $\pm 0.05\%$  of FSO



**Repeatability:**  $\pm 0.05\%$  of FSO

#### Environmental:

**Operational Temp Range:**  
-73 to +163°C (-100 to +325°F)

**Compensated Temp Range:**  
+17 to +149°C (70 to +300°F)

#### Thermal Effects:

Span: 0.0030% Rdg/°F

Zero: 0025% FSO/°F

#### Pressure:

**Proof Pressure:**  
150% of rated pressure

**Burst Pressure:**  
300% of rated pressure

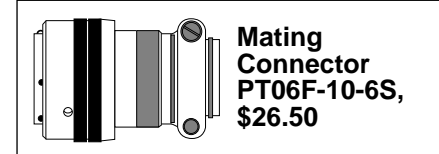
**Wetted Parts:** 316 Stainless Steel

**Pressure Port:** 2" Tri-clover fitting

**Electrical Connection:** PH1H-10-6P (or equal)

**Optional:** 10 ft (3m) 4-conductor PVC cable

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



## OMEGADYNE TRI-CLOVER SERIES



Look for OMEGADYNE Products on the World Wide Web!

<http://www.omegadyne.com>  
e-mail: [info@omegadyne.com](mailto:info@omegadyne.com)