

**SPEC SHEET**  
**PX22-I**

*Interchangeable with*  
**Model TH-2MVA**

# SANITARY FLANGE TRANSDUCERS

## 2" Tri-Clover Style High Temperature

**\$705**  
Model Shown

**PX22 Series**  
**4-20 mA 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

- ☑ **FM and CSA Approved**  
**Intrinsically Safe - Standard**
- ☑ **All Stainless Steel**  
**Construction**
- ☑ **High Temperature Operation**  
**121°C (250°F)**
- ☑ **Hermetically Sealed for Harsh**  
**Environments**
- ☑ **Available in Gage, Sealed**  
**Gage or Absolute Pressure**  
**Models**
- ☑ **Also Available with 1½" and ¾"**  
**Tri-Clover Fitting**

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

**1-800-872-3963**  
**1-800-USA-DYNE**

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

**OMEGADYNE<sup>SM</sup> FAX**

OMEGADYNE's 24-Hour  
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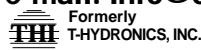
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**OMEGADYNE, Inc.**

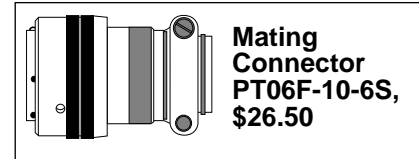
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**Model PX22U1-100SI \$650**  
*Shown Smaller than Actual Size*

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

<b>To Order: (Specify Model Number)</b>			
Range (psi)	Model Number	Price	Compatible Meters
<b>Absolute Pressure (All Ranges Available in Absolute Pressure)</b>			
0-10	PX22U1-010AI	<b>\$705</b>	INFP, INFCP, IDP
0-15	PX22U1-015AI	<b>705</b>	INFP, INFCP, IDP
0-20	PX22U1-020AI	<b>705</b>	INFP, INFCP, IDP
0-25	PX22U1-025AI	<b>705</b>	INFP, INFCP, IDP
0-30	PX22U1-030AI	<b>705</b>	INFP, INFCP, IDP
0-50	PX22U1-050AI	<b>705</b>	INFP, INFCP, IDP
<b>Sealed Gage Pressure (All Ranges Also Available in Gage Pressure)</b>			
0-10	PX22U1-010SI	<b>705</b>	INFP, INFCP, IDP
0-15	PX22U1-015SI	<b>705</b>	INFP, INFCP, IDP
0-20	PX22U1-020SI	<b>705</b>	INFP, INFCP, IDP
0-25	PX22U1-025SI	<b>705</b>	INFP, INFCP, IDP
0-50	PX22U1-050SI	<b>705</b>	INFP, INFCP, IDP
0-75	PX22U1-075SI	<b>705</b>	INFP, INFCP, IDP
0-100	PX22U1-100SI	<b>705</b>	INFP, INFCP, IDP
0-200	PX22U1-200SI	<b>705</b>	INFP, INFCP, IDP
0-300	PX22U1-300SI	<b>705</b>	INFP, INFCP, IDP
0-500	PX22U1-500SI	<b>705</b>	INFP, INFCP, IDP
0-750	PX22U1-750SI	<b>705</b>	INFP, INFCP, IDP
0-1,000	PX22U1-1KSI	<b>705</b>	INFP, INFCP, IDP

*Interchangeable with Model TH-2MVA 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.) **PX22U1-300GI** is a 300 psi Gage Pressure model with 4-20 mA output, **\$705**.

2.) **PX22U1-025AI** is a 25 psi Absolute Pressure model with 4-20 mA output, **\$705**.

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## 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 4-20 mA output has very high operating and compensated temperature ratings making it ideal for use in high temperature industrial 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: 4-20 mA Output

#### Electrical:

**Excitation:** 10-40 Vdc

**Output:** 4-20 mA

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

**Agency Approvals:** FM/CSA

Intrinsically safe IS/1.11.111/1/CDEFG

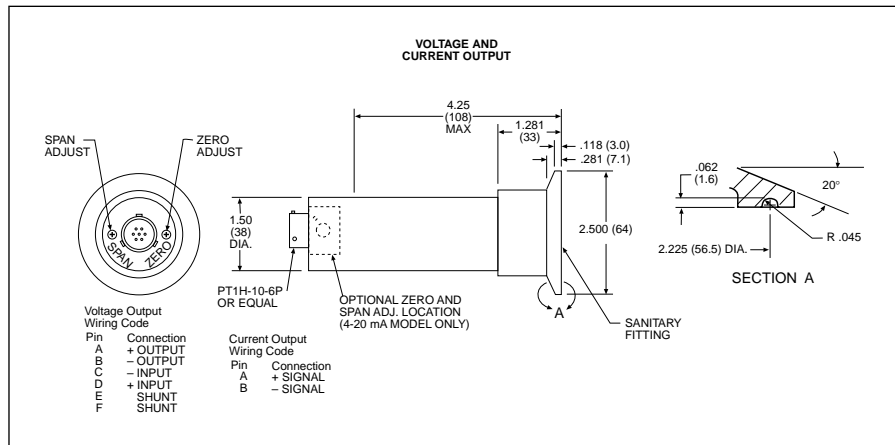
#### Performance:

**Accuracy Class:** 0.15%

**Linearity:** ±0.15% of FSO

**Hysteresis:** ±0.05% of FSO

**Repeatability:** ±0.05% of FSO



#### Environmental:

#### Operational Temp Range:

-46 to +121°C (-50 to +250°F)

#### Compensated Temp Range:

+17 to +121°C (+70 to +250°F)

#### Thermal Effects:

Span: 0.003% Rdg/°F

Zero: 0.025% FSO/°F

#### Pressure:

#### Proof Pressure:

150% of rated pressure

#### Burst Pressure:

300% of rated pressure

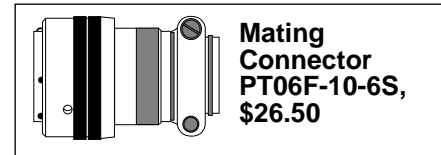
**Wetted Parts:** 316 Stainless Steel

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

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

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

**Mating Connector:** PT06A-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)