



**PX32 Series**  
**mV/V Output**  
**0-100 to 2,500 psi**  
**0-7 to 0-170 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

- High Compensated Temperature Range -40 to +168°C (-40 to +335°F)
- All Stainless Steel Construction
- Hermetically Sealed for Harsh Environments
- Available in Vented Gage, Sealed Gage or Absolute Pressure Models

The OMEGADYNE™ PX32 Series is a rugged, high temperature transducer. Its hermetically sealed, all stainless steel construction and high temperature operating range make it ideal for measuring hydraulic pressure on industrial and off-road equipment or industrial applications where high temperatures are encountered. The PX32 is available in gage, absolute or sealed models. An environmentally sealed, twist lock connector is standard.

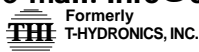
**For Sales and Service  
 In U.S.A. and Canada**

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

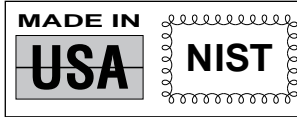
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**SPEC SHEET**  
**PX32**

*Interchangeable with  
 Model TH-MF*

# ECONOMICAL HIGH TEMPERATURE HERMETICALLY SEALED TRANSDUCER

**Rugged All Stainless Steel Design**

**\$420**  
 Model Shown

**Model PX32B1-100GV**  
 Shown 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>     |               |       |                   |
| 0-25                                                                     | PX32B1-025AV  | \$430 | INFS, INFCS       |
| 0-50                                                                     | PX32B1-050AV  | 430   | INFS, INFCS       |
| 0-100                                                                    | PX32B1-100AV  | 430   | INFS, INFCS       |
| <b>Gage Pressure (All Ranges Also Available in Sealed Gage Pressure)</b> |               |       |                   |
| 0-20                                                                     | PX32B1-020GV  | 420   | INFS, INFCS       |
| 0-30                                                                     | PX32B1-030GV  | 420   | INFS, INFCS       |
| 0-50                                                                     | PX32B1-050GV  | 420   | INFS, INFCS       |
| 0-100                                                                    | PX32B1-100GV  | 420   | INFS, INFCS       |
| 0-250                                                                    | PX32B1-250GV  | 420   | INFS, INFCS       |
| 0-300                                                                    | PX32B1-300GV  | 420   | INFS, INFCS       |
| 0-500                                                                    | PX32B1-500GV  | 420   | INFS, INFCS       |
| 0-1,000                                                                  | PX32B1-1KGV   | 420   | INFS, INFCS       |
| 0-1,200                                                                  | PX32B1-1.2KGV | 485   | INFS, INFCS       |
| 0-2,500                                                                  | PX32B1-2.5KGV | 485   | INFS, INFCS       |

*Interchangeable with Model TH-MF*

*Metric Ranges Available - Consult Engineering*

*To order Absolute Pressure change the "G" in the model number to an "A", add \$10 to price.*

*To order Sealed Gage change the "G" in the model number to an "S".*

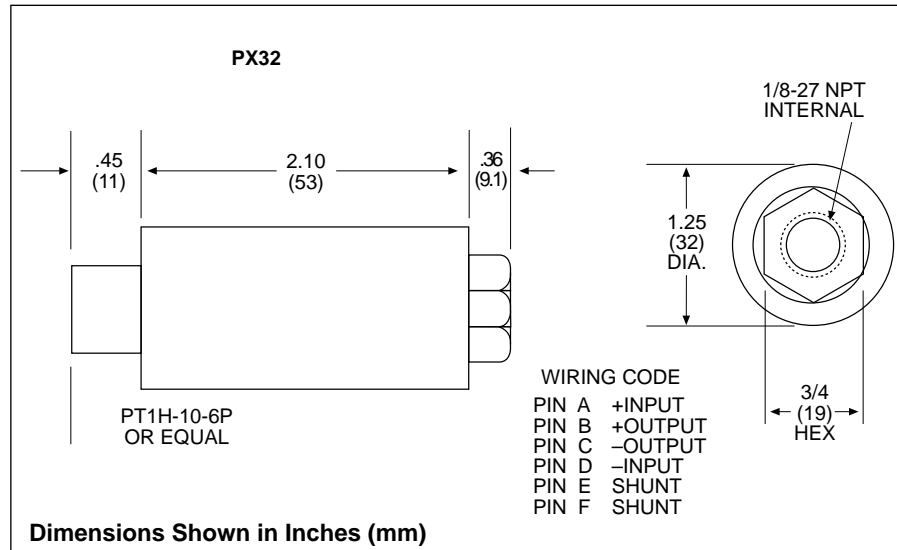
**Ordering Examples:** 1.) PX32B1-300SV is a 300 psi Sealed Gage transducer, \$420.

2.) PX32B1-1.2KGV is a 1,200 psi Gage Pressure transducer, \$485.

3.) PX32B1-025AV is a 25 psi Absolute Pressure transducer, \$430.

Printed On Recycled Paper





**SPECIFICATIONS:**

**Electrical:**

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

**Output:** 3 mV/V ±1%

**Input Resistance:** 360 Ohm Min.

**Output Resistance:** 350 ±5 Ohms

**Zero Balance:** ±1% FSO

**Performance:**

**Accuracy Class:** 0.25% Linearity, Hysteresis and Repeatability combined

**Environmental:**

**Operational Temp Range:** -54 to +168°C (-65 to +335°F)

**Compensated Temp Range:** -40 to +168°C (-40 to +335°F)

**Thermal Effects:**  
Span: 0.008% Rdg/°F  
Zero: 0.008% FSO/°F

**Pressure:**

**Proof Pressure:** 200% of rated pressure

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

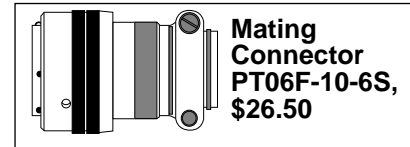
**Mechanical:**

**Wetted Parts:** 17-4PH Stainless Steel

**Pressure Port:** 1/8-27 NPT internal

**Electrical Connection:** PT1H-10-6P (or equal)

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



**OMEGADYNE PX30 FAMILY OF TRANSDUCERS:**



**Look for OMEGADYNE Products on the World Wide Web!**

**<http://www.omegadyne.com>**

**e-mail: [info@omegadyne.com](mailto:info@omegadyne.com)**