

Interchangeable with
Model TH-TM1

SPEC SHEET
PX33

VERY HIGH TEMPERATURE HERMETICALLY SEALED TRANSDUCER

Rugged All Stainless Steel Design

\$745
Model Shown

PX33 Series mV/V Output

0-2,000 to 0-20,000 lb

0-140 to 0-1,400 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

- ☑ **Compensated Temperature Range to 177°C (350°F)**
- ☑ **Operating Temperature to 204°C (400°F)**
- ☑ **All Stainless Steel Construction**
- ☑ **Hermetically Sealed for Harsh Environments**
- ☑ **FM/CSA Intrinsically Safe - Standard**

The OMEGADYNE™ PX33 Series is a rugged, very high operating temperature transducer. Hermetically sealed, all stainless steel construction and high operating temperature range make it ideal for measuring hot hydraulic fluids or other high temperature aerospace and industrial applications. The PX33 comes standard with a 7/16-20 MS33656E4 thread and eyelet electrical connections.

**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

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1-800-344-3963
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OMEGADYNE, Inc.

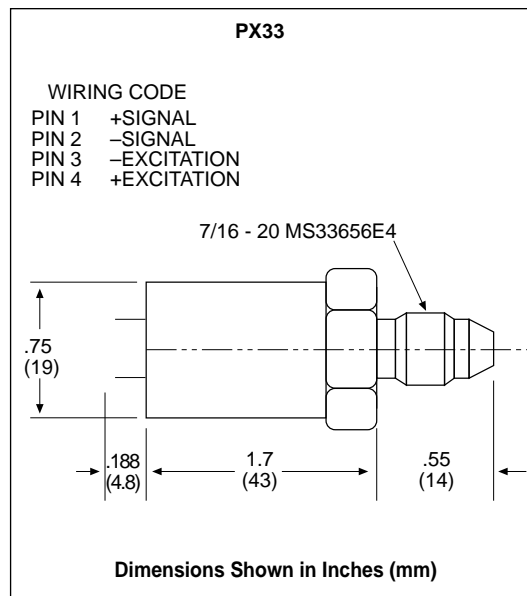
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Formerly
T-HYDRONICS, INC.

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SPECIFICATIONS:

Electrical:

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

Output: 2.5 mV/V ±10%

Bridge Resistance: 1000 Ohms nominal

Zero Balance: ±1% FSO

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

Performance:

Accuracy Class: ±0.3% FSO

Linearity: ±0.3% FSO

Hysteresis: ±0.05% FSO

Repeatability: ±0.05% FSO

Environmental:

Operational Temp Range:
+24 to +204°C (+75 to +400°F)

Compensated Temp Range:

+24 to +177°C (+75 to +350°F)

Thermal Effects:

Span: 0.005% Rdg/°F

Zero: 0.005% FSO/°F

Pressure:

Proof Pressure:

≤10,000 psi: 150% of rated pressure

>10,000 psi: 125% of rated pressure

Burst Pressure:

≤10,000 psi: 200% of rated pressure

>10,000 psi: 150% of rated pressure

Mechanical:

Wetted Parts: 17-4 PH Stainless Steel

Pressure Port: 7/16-20 per MS33656E4

Electrical Connection: 4 eyelets

► *Most Popular Models Highlighted* ◀

Prices Shown in U.S. Dollars

| To Order: (Specify Model Number) | | | |
|----------------------------------|---------------|--------------|-------------------|
| Range (psis) | Model Number | Price | Compatible Meters |
| 0-2,000 | PX33L3-2KSV | \$745 | INFS, INFCS |
| 0-2,500 | PX33L3-2.5KSV | 745 | INFS, INFCS |
| 0-5,000 | PX33L3-5KSV | 745 | INFS, INFCS |
| 0-10,000 | PX33L3-10KSV | 745 | INFS, INFCS |
| 0-15,000 | PX33L3-15KSV | 745 | INFS, INFCS* |
| 0-20,000 | PX33L3-20KSV | 745 | INFS, INFCS* |

* 4 Digit meter, counts in increments of 10.

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Metric Ranges Available - Consult Engineering

Ordering Examples: 1.) PX33L3-2.5KSV is a 2,500 psi Sealed Gage transducer, \$745.

2.) PX33L3-15KSV is a 15,000 psi Sealed Gage transducer, \$745.

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