





ALL STAINLESS STEEL PRESSURE TRANSDUCER

for Test Applications

\$420 **Model Shown**

PX31 Series mV/V Output

0-100 to 0-30,000 lb 0-7 to 0-2,000 bar

1 bar = 14.5 psi $1 \text{ kg/cm}^2 = 14.22 \text{ psi}$ 1 Atmosphere = 14.7 psi = 29.93 in-Hg = 760.2 mm-Hg = 1.014 bar

- Intrinsically Safe - Standard
- Construction
- Broad Compensated Range 34 to +77°C (-30 to +170°F)
- Hermetically Sealed for Harsh **Environments**
- Gage or Absolute Pressure Models

The OMEGADYNE™ PX31 Series are rugged, industrial transducers with a broad compensated temperature range. Hermetically sealed, all stainless steel construction and special fittings make them ideal for measuring hydraulic pressures on engines, automotive test beds and other industrial applications where high temperatures are encountered. The PX31 is available in Gage, Sealed Gage or Absolute models.

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

1-800-872-3962**

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

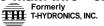
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http://www.omegadyne.com e-mail: info@omegadyne.com



Model PX31K4-100GV Shown Smaller Than Actual Size

A DS02 environmentally sealed connector is standard.

SPECIFICATIONS:

Electrical:

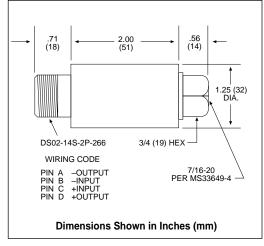
Excitation: 10 V ac/dc (15 V max) Output: 3 mV/V ±0.01mV/V Input Resistance: 360 Ohm Min. Output Resistance: 350 ±5 Ohms Zero Balance: ±0.5% FSO Agency Approvals: FM/CSA Intrinsically Safe IS/I.II.III/1/CDEFG

Performance:

Accuracy Class: 0.25% Linearity: ±0.25% FSO Hysteresis: ±0.15% FSO Repeatability: ±0.10% FSO

Environmental:

Operational Temp Range: -54 to +121°C (-65 to +250°F)



Compensated Temp Range: -34 to +77°C (-30 to +170°F)

Thermal Effects: Span: 0.005% Rdg/°F Zero: 0.005% FSO/°F

Pressure: **Proof Pressure:** 150% of rated pressure **Burst Pressure:** 250% of rated pressure

Mechanical:

Wetted Parts: 17-4PH Stainless Steel Pressure Port: 7/16-20 per MS33649-4

Electrical Connection: DS02-14S-2P-266G

Mating Connector: not included



MS3106F14S-2S

➤ Most Popular Models Highlighted <</p>

Prices Shown in U.S. Dollars

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	To Order: (Specify Model Number)				
	Range (psi)	Model Number	Price	Compatible Meters	
>	0-100	PX31K4-100GV	\$420	INFS, INFCS	→
	0-500	PX31K4-500GV	420	INFS, INFCS	
\	0-1,000	PX31K4-1KGV	420	INFS, INFCS	₹
	0-2,000	PX31K4-2KGV	485	INFS, INFCS	
\	0-5,000	PX31K4-5KGV	485	INFS, INFCS	+
>	0-10,000	PX31K4-10KGV	485	INFS, INFCS	◆
	0-20,000	PX31K4-20KGV	485	INFS, INFCS*	
	0-30,000	PX31K4-30KGV	485	INFS, INFCS*	

Interchangeable with Model TH-M3

Mating Connector, MS3106F14S-2S, \$15.

Metric Ranges Available - Consult Engineering

To order FM Intrinsically Safe add suffix "-IS" to model number.

To order CSA Approved model add suffix "-CSA" to model number. To order Sealed Gage Pressure replace the "G" in the model number with a "S".

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

Ordering Examples: 1.) PX31K4-500SV is a 500 psi Sealed Gage model, \$420. 2.) PX31K4-10KGV is a 10,000 psi Gage model, \$485. Printed On Recycled Paper

