

HIGH TEMPERATURE COMPENSATED PRESSURE TRANSDUCER 168°C (335°F) FOR HYDRAULIC APPLICATIONS

mV/V Output
0-20 to 2500 psi
0-1.4 to 0-170 bar

1 bar = 14.5 psi
1 kg/cm² = 14.22 psi
1 atmosphere = 14.7 psi = 29.93 inHg = 760.2 mmHg = 1.014 bar

PX32 Series



Standard

- ✓ High Compensated Temperature Range -40 to 168°C (-40 to 335°F)
- ✓ All Stainless Steel Construction
- ✓ Available in Vented Gage, Sealed Gage, and Absolute Pressure Models

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

SPECIFICATIONS

Excitation: 10V AC/DC (15V maximum)
Output: 3 mV/V ±2%
Input Resistance: 360 Ω minimum
Output Resistance: 350 ±5 Ω
Zero Balance: ±2% FSO
Accuracy: 0.25% linearity, hysteresis and repeatability combined
Operating Temp Range: -54 to 168°C (-65 to 335°F)
Compensated Temp Range: -40 to 168°C (-40 to 335°F)
Dimensions: 73.1 L x 32 mm Dia (2.9 x 1.25") overall

Thermal Effects:
Span: 0.008% rdg/°F
Zero: 0.008% FSO/°F
Proof Pressure: 200% of rated pressure
Burst Pressure: 300% of rated pressure
Wetted Parts: 17-4 PH stainless steel
Pressure Port: 1/8-27 NPT internal
Electrical Connection: PT1H-10-6P (or equal)
Mating Connector: PT06F10-6S (sold separately)

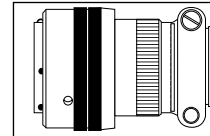
PX32B1-100GV shown actual size.



Metric thread adaptors available, visit us online.

WIRING

A = +EXC
B = +OUT
C = -OUT
D = -EXC



Mating Connector
PT06F10-6S

To Order

RANGE		MODEL NO.	COMPATIBLE METERS*
ABSOLUTE PRESSURE (All Ranges Available in Absolute Pressure)			
0 to 25 psi	0 to 1.7 bar	PX32B1-025AV	DP41-S, DP25B-S
0 to 30 psi	0 to 2.1 bar	PX32B1-030AV	DP41-S, DP25B-S
0 to 50 psi	0 to 3.4 bar	PX32B1-050AV	DP41-S, DP25B-S
0 to 100 psi	0 to 6.9 bar	PX32B1-100AV	DP41-S, DP25B-S
GAGE PRESSURE (All Ranges Also Available in Sealed Gage Pressure)			
0 to 20 psi	0 to 1.4 bar	PX32B1-020GV	DP41-S, DP25B-S
0 to 30 psi	0 to 2.1 bar	PX32B1-030GV	DP41-S, DP25B-S
0 to 50 psi	0 to 3.4 bar	PX32B1-050GV	DP41-S, DP25B-S
0 to 100 psi	0 to 6.9 bar	PX32B1-100GV	DP41-S, DP25B-S
0 to 250 psi	0 to 17.2 bar	PX32B1-250GV	DP41-S, DP25B-S
0 to 300 psi	0 to 20.7 bar	PX32B1-300GV	DP41-S, DP25B-S
0 to 500 psi	0 to 34.5 bar	PX32B1-500GV	DP41-S, DP25B-S
0 to 1000 psi	0 to 68.9 bar	PX32B1-1KGV	DP41-S, DP25B-S
0 to 1200 psi	0 to 82.7 bar	PX32B1-1.2KGV	DP41-S, DP25B-S
0 to 2500 psi	0 to 172 bar	PX32B1-2.5KGV	DP41-S, DP25B-S

ACCESSORY

MODEL NO.	DESCRIPTION
PT06F10-6S	Mating connector for PX32 series transducers
CA-6TE24-5-015	Cable assembly with twist-lock connector

Comes complete with 5-point calibration.

* Visit us online for compatible meters. Metric ranges available – Consult Engineering.

To order absolute pressure models, replace "G" in model number with "A" and add cost. To order sealed gage models, replace "G" in model number with "S", no extra charge.

Ordering Examples: PX32B1-300GV, 300 psi gage transducer.
PX32B1-1.2KGV, 1200 psi gage pressure transducer.
PX32B1-025AV, 25 psi absolute pressure transducer.



MILLIVOLT OUTPUT
PRESSURE TRANSDUCERS

B

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