

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 ±20%

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:

PTIH-10-6P (or equal)

Mating Connector:

PT06F10-6S

(sold separately)

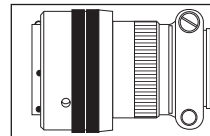
Metric thread adaptors available, visit us online.

PX32B1-100GV shown smaller than actual size.



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.