

PTG 404 SERIES - GENERAL PURPOSE PRESSURE TRANSDUCER

The PTG 404 is a competitively priced, high quality all stainless steel, pressure sensor intended for use in the measurement of gases and liquids. It is suitable for automotive diagnostics tools, refrigeration, hydraulics, pneumatics and data loggers. The PTG 404 pressure sensor is designed specifically for applications with demanding price and performance requirements. This sensor offers both millivolt and high level outputs. The high strength sensing element is machined from a solid piece of stainless steel, resulting in construction that contains no silicone oil, welds or internal O-rings. Measurements are available in gauge pressure covering ranges up to 45,000 PSI.

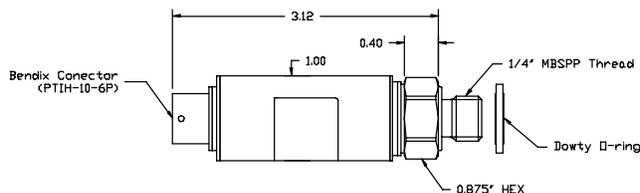
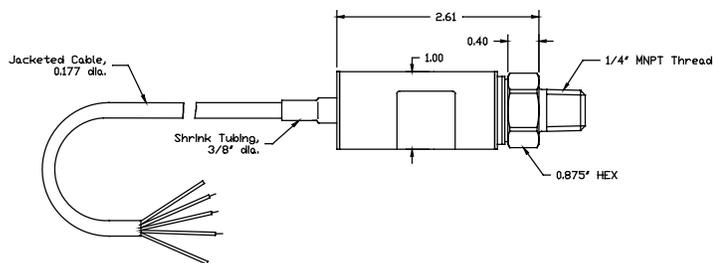
- **LOW STATIC AND THERMAL ERRORS**
- **WELDED CASE**
- **SUITABLE FOR HIGH SHOCK AND VIBRATION**
- **EMI/RFI PROTECTION**
- **CABLE, DIN OR 1/2" CONDUIT PIPE ELECTRICAL TERMINATION**

SPECIFICATIONS

PRESSURE RANGES:	25 to 45,000 PSI
ACCURACY:	±0.1% F.S, typical
MATERIAL:	17-4PH Wetted Parts 304 SS Housing
TEMPERATURE RANGE:	30° to 158° F - Compensated
OUTPUT:	0.5-4.5 Vdc Ratiometric 1-5,1-6 Vdc, 10 mV/V or 4-20 mA
EXCITATION:	5 Vdc, or 10-28 Vdc
SAFE OVERLOAD:	200% Over Capacity
BURST PRESSURE:	5X or 50,000 PSI whichever is less
CABLE:	Specify Below



DIMENSION DATA



AVAILABLE RANGES

-14.7-25 (compound), 25, 50, 100, 200, 500, 1000, 2500, 5000, 10,000, 15,000, 20,000, 30,000, 45,000 PSI

For Accuracy Specify the following:
PTG 404 - .10% Amplified

Pressure Connection:

- A = 1/4" Male NPT
- B = 1/8" Male NPT
- C = 1/4" Male BSPP
- E = 9/16" Male UNF [SAE6]
- F = 7/16"-20 Male UNF [SAE4]
- K = 7/16"-20 Female UNF [SAE4]
- M = 3/8"-24 UNF Male [SAE3]
- W= F250C Female Autoclave

Pressure Units:

B=Bar, K=Kg/cm2, P=PSI

Outputs:

- 1= 0.5-4.5V ratiometric
- 2= 0-5V (3 wire)
- 3= 1-5V
- 4= 4-20mA
- 5= 0-10V (3 wire)
- 6= 1-6V
- G= 1-10V

Wetted Material:

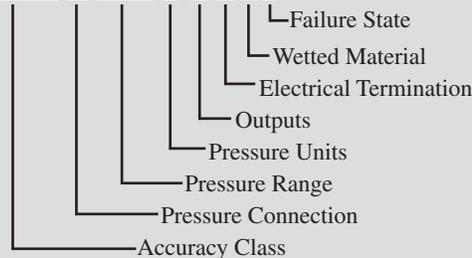
- 0=17-4PH
- 1=316 L
- 2=Inconel

Electrical:

- A=2Ft, B=4Ft, C=6Ft, D=10Ft,
- E=Mini DIN 43650, F=Packard
- Metripack 150 3-Pin Conn.

Order Code Example:

PTG 400-A-XXX-B-A-A-0-H



Failure State:

H=High L=Low N=None