

The PTG 1000 is a competitively priced, high quality, general purpose pressure transducer with available accuracies from 0.5% to .1% Full scale. Ranges from 10" WC to 60,000 PSI. Ideal for the measurement of pressure in gases and liquids.



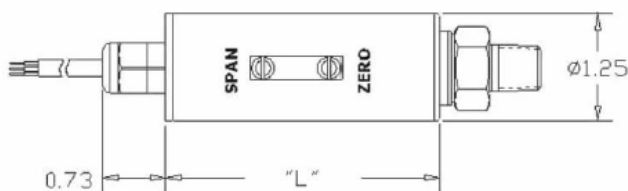
FEATURES

- Proprietary Fused Bond Sensor
- Sensor Wetted Material Machined from Stainless Steel Bar Stock (No Welds)
- RFI/EMI Protection on every unit
- Unparalleled long-term stability
- External Zero & Span Controls available

TECHNICAL DATA

- Standard Pressure Outputs: 4-20 mADC, 0-10 VDC, 0-5 VDC (Optional 1-5 VDC, mV/V)
- 0.5% & 0.2% BFSL (Standard) - 0.1% BFSL includes 16 Point Calibration with Certificate
- 1/4" NPT, SAE-4, F-250C process connections standard - contact factory for other options
- Standard ranges from 0-5 psi to 0-40000 psi
- Low pressure/compound pressure ranges available - contact factory
- Duplicate any customer's process and electrical connection for transparent replacement

DIMENSIONS



Pressure Range >300psi ;L=3.20"
Pressure Range <300psi ;L=4.20"

ORDERING GUIDE

A	(0-300)	4	D	5	EC1
PRESSURE PORT	RANGE ¹	TYPE	PRESSURE OUTPUT	ACCURACY (BFSL)	CONNECTOR ²
A = 1/4" MNPT	PSI	1 = ABSOLUTE	D = 4-20mA	5 = 0.5%	EC1 = 36" PIGTAIL ³
B = SAE-4 MALE	BAR	2 = GAUGE	E = 0-5 VDC	25 = 0.25%	EC2 = LARGE DIN 43650, FORM A
C = OTHER	kPA	3 = VACUUM	F = 0-10 VDC	1 = 0.1%	EC3 = MINI DIN 4365, FORM C
D = 1/8" MNPT	INCHES WC	4 = SEALED	M = mV/V		EC4 = BENDIX PTIH-10-6P
E = F-250C	TORR	5 = COMPOUND			ECT = TRUCK M12
		6 = OTHER			ECX = OTHER

OP5
Options
OP1 = NIST CALIBRATION WITH CERTIFICATE
OP5 = ZERO & SPAN CONTROLS
OP8 = INTERNAL SHUNT CAL RESISTOR (80% FS)
OPX = OTHER (SPECIFY)

TYPICAL APPLICATIONS	
Engine Test Stand	Test Stands
Leak Detection	Rocket/ Jet Engine Testing
Diesel-Internal Combustion	Emission Testing
Brake Testing	Off-road Vehicles
Laboratory/Research	Military

PERFORMANCE @ 25° C
Accuracy: $\pm 0.5\%$ BFSL to 0.1% BFSL4
Stability: (2 year): $\pm 0.10\%$ FSO, Typical
Overpressure Protection: 2X Rated Pressure
Burst Pressure: 5X or 20000 PSI (lesser)
Pressure Cycles: > 50 Million
Temperature Range: -40°C to +85°C
Response: ≤ 5 ms to 90%

ENVIRONMENTAL DATA
Temperature
Operating: -40°C to 85°C
Storage: -50°C to 125°C
Thermal Limits
Compensated Range: 0°C to 85°C
Thermal Effect Zero: $\leq \pm 1.5\%$ FS
Thermal Effect Span: $\leq \pm 1.5\%$ FS

PHYSICAL DATA
Sensor
Wetted Material: 316 SS
Housing: 316 SS
Connections
Pressure: 1/4" MNPT, SAE-4, F-250C

ELECTRICAL DATA
Excitation: 9-36 VDC (4-20 mA), 13-36 VDC (0-5V, 0-10V)
Current Consumption: ≤ 5 mADC
Zero Offset: $\pm 0.25\%$ of FS
Span Tolerance: $\pm 1.0\%$ of FS
Output Load: >10K Ω
Range Cal Signal: Internal Resistor 100%

¹ OTHER RANGES AVAILABLE, CONSULT FACTORY

² CUSTOM PINOUTS/WIRING AVAILABLE

³ PVC STANDARD CABLE JACKET - OTHERS AVAILABLE ON REQUEST

⁴ ACCURACY INCLUDES NON-LINEARITY, HYSTERESIS AND NON-REPEATABILITY