

This zero drift, high performance transducer is the worlds only pressure transmitter that maintains performance over temperature by eliminating the largest sources of error, zero & thermal drift.



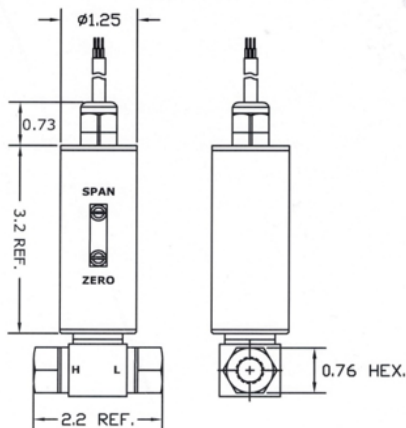
FEATURES

- Suitable for high shock and vibration applications
- Duplicate any customer's process and electrical connections for transparent replacement
- Available with temperature output (RTD or Thermocouple)
- RFI/EMI protection on every unit

TECHNICAL DATA

- 0.5% BFSL (Standard) – 0.2% and 0.1% BFSL optional, 0.1% includes 16 Point Calibration with Certificate
- Standard Pressure Outputs: 4-20 mADC, 0-10 VDC, 0-5 VDC
- 1/4" NPT and SAE-4 process connections standard – contact factory for other options
- Standard ranges from 1 PSID to 500 PSID (0.1 – 35 BarD) - line pressures up to 1450 PSI (100 Bar)

DIMENSIONS



ORDERING GUIDE

A	(0-50PSID)	D	0	5	SCV
PRESSURE PORT	RANGE ¹	PRESSURE OUTPUT	TEMP OUTPUT	ACCURACY (BFSL)	CONNECTOR
A = 1/4" MNPT	PSID	D = 4-20mA	0 = NONE	5 = 0.5%	EC1 = 36" PIGTAIL
B = SAE-4 MALE	BARD	E = 0-5 VDC	3 = TC (J/K)	2 = 0.25%	EC2 = LARGE DIN 43650, FORM A
C = OTHER		F = 0-10 VDC	4 = RTD	1 = 0.1%	EC3 = MINI DIN 43650, FORM C
			5 = OTHER		EC4 = BENDIX PTIH-10-6P
					ECX = OTHER

OP5
Options
OP1 = NIST CALIBRATION WITH CERTIFICATE
OP5 = ZERO & SPAN CONTROLS
OPX = OTHER (SPECIFY)

TYPICAL APPLICATIONS	
Oil & Gas Equipment	Fuel Systems
Hydraulics	Building Automation
Labs/Metrology	HVAC

PERFORMANCE @ 25° C
Accuracy: $< \pm 0.5\%$ BFSL to 0.1% BFSL ²
Stability: (1 year): $< \pm 0.25\%$ FSO, Typical
Differential Pressure: $10X$ FS ≤ 150 PSI ≥ 1450 PSI
Burst Pressure: 2.5X FS Minimum
Pressure Cycles: > 50 Million
Temperature Range: 1°C to $+40^{\circ}\text{C}$
Temperature Accuracy: $\pm 1^{\circ}\text{C}$

ENVIRONMENTAL DATA
Temperature
Operating: -40°C to 85°C
Storage: -50°C to 125°C
Thermal Limits
Compensated Range: 1°C to 70°C
Thermal Effect Zero: $\leq \pm 1.0\%$ FS
Thermal Effect Span: $\leq \pm 1.0\%$ FS

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

ELECTRICAL DATA
Excitation: 9-36 VDC (4-20 mA), 13-36 VDC (0-5V, 0-10V)
Current Consumption: < 10 mADC
Zero Offset: $\leq \pm 0.1\%$ of FS
Span Tolerance: $\leq \pm 1.0\%$ of FS
Output Load: $> 10K \Omega$
Reverse Polarity Protection: Yes

¹ OTHER RANGES AVAILABLE. CONSULT FACTORY

² ACCURACY INCLUDES NON-LINEARITY, HYSTERESIS AND NON-REPEATABILITY