



DIFFERENCE PRESSURE TRANSMITTER (WET OR DRY)

MEDIUM PRESSURE RANGE 0/-30" HgD to 0/1500 PSID

SERIES P-48 (4-20mA, 2-Wire, 4-Wire Current or Voltage Output)

DESCRIPTION:

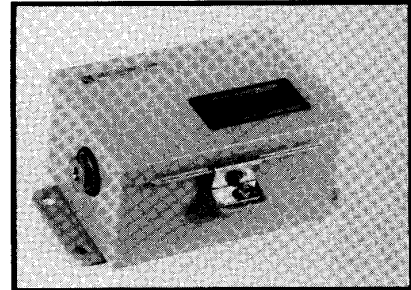
The BEC P-48 Pressure Transmitter introduces the benefits of polysilicon thin film performance at affordable prices. Modern low pressure chemical vapor deposition methods provide simple, stable molecular bonds between a proven metal diaphragm and a polysilicon strain gauge bridge. There are no epoxies or bonding agents to contribute to signal instability or drift.

The polysilicon strain resistors combine very low noise levels with very high signal outputs. There are no semiconductor junctions to change with temperature, time or use. The integral metal diaphragm and polysilicon bridge are virtually unaffected by shock, vibration, or mounting.

Pressure sensing wetted surface is 17-4PH stainless steel. Pressure port fittings are also available in 316 stainless steel allowing for expanded media compatibility.

The low level output voltage of the sensing element is amplified, temperature compensated, and conditioned to supply current or DC voltage analog signal outputs, which are linear with the specified pressure span, with micro-processor compatibility.

Zero and Span thermal effects are maintained at minimum values over typical industrial operating temperature ambients.



APPLICATIONS:

BEC P-48 Pressure Transmitters provide an accurate, reliable and economical means for monitoring differential pressures in HVAC automation, pneumatic systems and process control. The output can be easily interfaced with chart recorders, data loggers and computerized monitoring and control systems.

- Liquid flow rates across an orifice plate or venturi.
- Differential liquid level head pressure.
- Pressure difference between two gaseous or liquid lines.
- Variable speed drives controlling chilled water flow.
- Absolute vacuum differential pressure sensing.
- Automotive and Industrial Mounting.

FEATURES:

STANDARD

- * 100% Solid State
- * Ranges 0/-30" HgD to 0/1500 PSID
- * Temp. Compensated Linear Analog Output
- * Reverse Polarity Protected
- * 24 Vdc

AVAILABLE OPTIONS

- * 24 Vac
- * 115 Vac Power
- * SPDT Form C Alarm Contacts
- * Explosion-Proof Enclosure
- * Integral LCD Read-Out

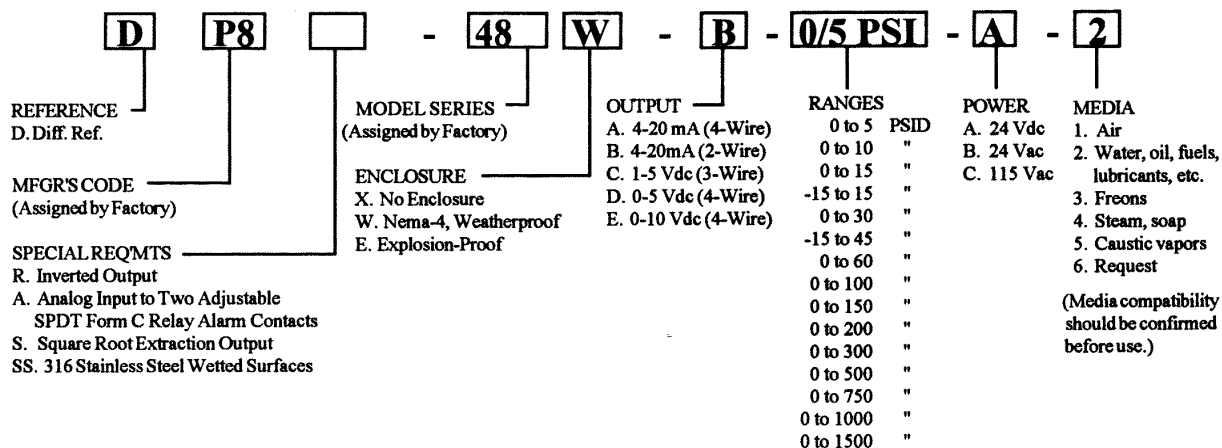
SPECIFICATIONS:

Proof Pressure	90 PSI or 2X FS	Thermal Stability	
		Zero	+/-0.02%/Deg C
		Span	+/-0.02%/Deg C
Temperature Range		Response Time	100 milliseconds
Sensing Module		Humidity Effects	5-99% RH Non-Condensing
Operating	-40 Deg C/120 Deg C	Media Compatibility	Consult Factory
Compensated	-30 Deg C/80 Deg C	Shock	+/-0.05% FS for 100 g's, 20 milliseconds
Transmitter	0 Deg C/50 Deg C	Vibration	+/-0.1% FS for 0-2000 Hz, 20g's
Accuracy	+/-0.75% FS	Stability 1 Year	+/-0.3% Span/Year
Zero & Span Adjustment	+/-10%	(With Existing Zero/Span Potentiometers)	





ORDERING INFORMATION:



MOUNTING NOMENCLATURE
 CONSULT FACTORY FOR CRITICAL MOUNTING DIMENSIONS

