



# TRANSMITTER, GAUGE PRESSURE OR VACUUM (STAINLESS SENSOR)

PRESSURE RANGES, 0/-30"Hg TO 0/1500 PSI

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

## DESCRIPTION

The BEC P-46 Pressure Transmitter has a pressure wetted surface of 17-4PH stainless steel. Pressure port fittings are also available as a stainless steel 1/4" NPT male for a completely wetted surface of only stainless steel. 304 stainless steel is also available.

The low level output of the sensing element is amplified, temperature compensated and conditioned for a linear, stable output over the specified pressure span.

## APPLICATIONS

BEC P46 Pressure Transducers provide an accurate, reliable and economical means for monitoring gauge pressures in HVAC automation, pneumatic systems and process control. The output can be easily interfaced with chart recorders, data loggers, computerized monitoring and control systems.

- Liquid/Air Pressure Monitoring
- Variable speed drives controlling water pressure
- Process Control
- Process Automation/Variable Speed Drives
- Level Head Pressure

## FEATURES

### STANDARD

- 100% Solid State
- Diff. Ranges: 0/-30" HgD to 0/1500 PSID
- Temp. Compensated Linear Analog Output
- Reverse Polarity Protected
- Zero and Span Adjustments

### AVAILABLE OPTIONS

- 24 Volt AC Power
- 115 Volt AC Power
- Integral LCD Read-out

Transmitter with  
Nema 4 enclosure



Transmitter with display



Transmitter board only  
for panel mounting



## SPECIFICATIONS

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

All specifications are subject to change without notice.  
All sales subject to standard terms and conditions.  
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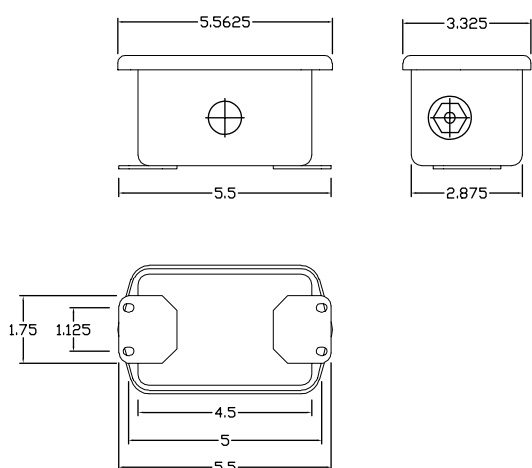
For  
Commercial  
and Industrial  
use only

## ORDERING INFORMATION

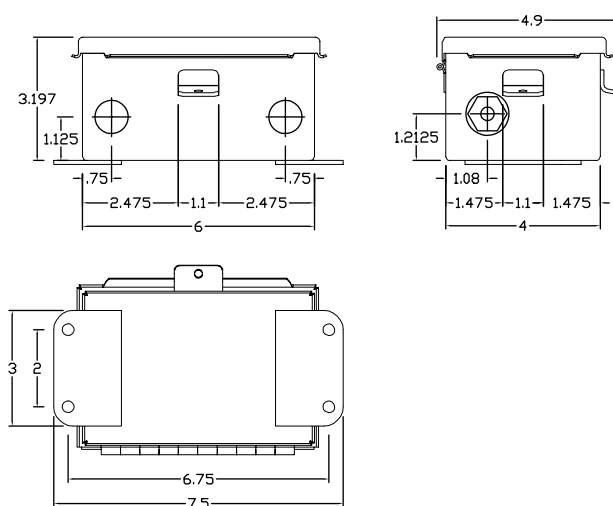
G	P8		-	46		W	-	B	-	0/5 PSI	-	A		2
REFERENCE				MODEL SERIES		ENCLOSURE		OUTPUT		RANGES		POWER		MEDIA
G. Gauge. Ref.				(Assigned by factory)		X. No Enclosure		A. 4-20 mA (4-Wire)		0 to 5 PSID		A. 24 Vdc		1. Air
MFGR'S CODE						W. Nema-4, Weatherproof Request		B. 4-20 mA (2-Wire)		0 to 10 PSID		B. 24 Vac/dc		2. Water, oil, fuels, lubricants, etc.
(Assigned by Factory)								C. 1-5 Vdc (4 Wire)		-15 to 15 PSID		C. 115 Vac		3. Freons
								D. 0-5 Vdc (4-Wire)		0 to 30 PSID		D. 12 Vdc		4. Steam, soap
								E. 0-10 Vdc (4-Wire)		-15 to 45 PSID		Request		5. Caustic vapors
								Request		0 to 60 PSID				6. Request
										0 to 100 PSID				(Media compatibility should be confirmed before use.)
										0 to 150 PSID				
										0 to 200 PSID				
										0 to 300 PSID				
										0 to 500 PSID				
										0 to 750 PSID				
										0 to 1000 PSID				
										0 to 1500 PSID				
										Request				

## DIMENSIONS

CONSULT FACTORY FOR CRITICAL MOUNTING DIMENSIONS ALL DIMENSIONS IN INCHES

ENCLOSURE STYLE "W" (Nema-4, -12, -13)  
(Transmitter without 115 VAC Power)ENCLOSURE STYLE "W1" (Nema-4, -12, -13)  
(Transmitters requiring any of the following:)

• 115 VAC Power



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