



● TRANSMITTER, GAUGE PRESSURE OR VACUUM (WET OR DRY)

PRESSURE RANGES, 0-1" WC TO 0-250 PSI

SERIES P-44 (4-20mA, 2-Wire; 4-Wire Current or Voltage Output)

● DESCRIPTION

The BEC P-44 Pressure Transmitter is a piezoresistive device which is ideal for applications requiring exact pressure measurement where the benefits of repeatability, low hysteresis and long term stability are important. In addition, ruggedness and reliability are traditional solid state benefits.

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

● APPLICATIONS

BEC P44 Pressure Transducers provide an accurate, reliable and economical means for monitoring gauge pressures or vacuum in HVAC automation, pneumatic systems and process control. The output can be easily interfaced with chart recorders, data loggers, computerized monitoring and control systems.

- Pneumatic Control Interfacing
- Direct read-out interface For: Test Stands and Process Variables
- Vacuum Applications
- Duct Statics
- Liquid Head Pressure
- Pneumatic Conveying

● FEATURES

STANDARD

- 100% Solid State
- Ranges: 1" WC to 250 PSI
- Temp. Compensated Linear Analog Output
- Reverse Polarity Protected
- Zero and Span Adjustments
- Factory three point calibration

AVAILABLE OPTIONS

- 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	100" WC (Under 3" Range)
	20 PSI (3" to 5 PSI Range) 45 PSI (15 to 60 PSI Range)
	60 PSI (15 to 30 PSI Range) 500 PSI (60 PSI and over Range)

Temp. Range Sensing Module

Operating	-40 Deg C/120 Deg C
Compensated	-30 Deg C/80 Deg C

Transmitter	0 Deg C/50 Deg C
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Accuracy	+/- 0.75% FS
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Zero & Span Adjustment	+/-10%
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Thermal Stability

Zero	+/-0.02%/Deg C
Span	+/-0.02%/Deg C

Response Time	100 milliseconds
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Humidity Effects	5-99% RH Non-Condensing
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Media Compatibility	Consult Factory
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Shock	+/-0.05% FS for 100 g's, 20 milliseconds
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Vibration	+/-0.1% FS for 0-2000 Hz, 20g's
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Stability 1 Year	+/-0.3% Span/Year (With Existing Zero/Span Potentiometers)
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All specifications are subject to change without notice.
All sales subject to standard terms and conditions.
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LOW PRESSURE RANGES, 0-1" WC TO 0-250 PSI

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For
Commercial
and Industrial
use only

ORDERING INFORMATION

REFERENCE	MODEL SERIES	ENCLOSURE	OUTPUT	RANGES	POWER	MEDIA
G. Gauge Ref.	(Assigned by factory)	X. No Enclosure W. Nema-4, Weatherproof Request	B. 4-20 mA (2-Wire) D. 1-5 Vdc (3 Wire) F. 4-20 mA (4-Wire) G. 0-5 Vdc (4-Wire) H. 0-10 Vdc (4-Wire) Request	0 to 1" WC 0 to 3" WC 0 to 5" WC 0 to 10" WC 0 to 25" WC 0 to 1 PSI 0 to 5 PSI 0 to 15 PSI 0 to 30 PSI 0 to 50 PSI 0 to 100 PSI 0 to 150 PSI 0 to 200 PSI 0 to 250 PSI Request	A. 24 Vdc B. 24 Vac/dc C. 115 Vac D. 12 Vdc Request	1. Air 2. Water, oil, fuels, lubricants, etc. 3. Freons 4. Steam, soap 5. Caustic vapors 6. Request (Media compatibility should be confirmed before use.)
MFGR'S CODE (Assigned by Factory)						
SPECIAL REQMTS R. Inverted Output L. LCD Display (Integral)						

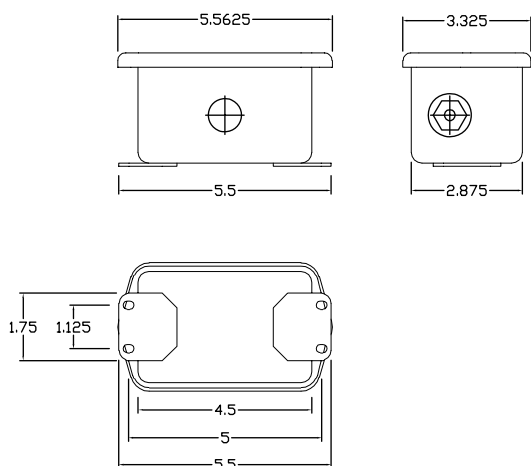
NOTE: For vacuum, indicate range as 0/-(pressure range). For example, 0/-5 PSI instead of 0/5 PSI.

DIMENSIONS

CONSULT FACTORY FOR CRITICAL MOUNTING DIMENSIONS

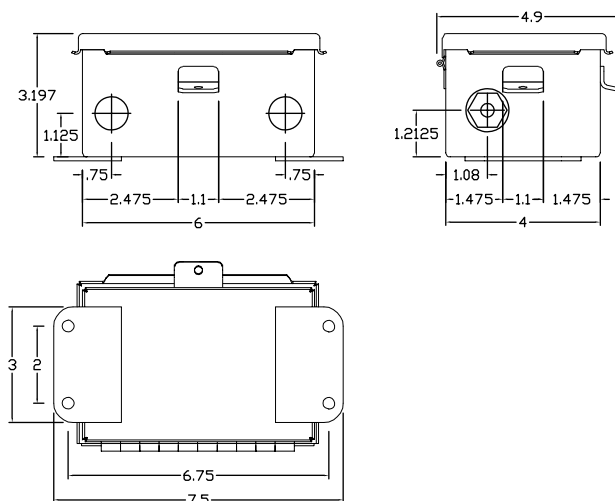
ALL DIMENSIONS IN INCHES

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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