



Features

- High strength stainless steel construction.
- No silicone oil, no internal o-rings, no welds.
- Wide operating temperature range.
- Ranges up to 10,000 psig.
- Low static and thermal errors.
- High accuracy.
- Rugged design survives harsh environments.
- Compatible with wide range of gases and liquids.
- Suitable for high shock and vibration applications.

Specifications

Performance @ 25 °C (77 °F)	
Accuracy ¹	<±0.25% BFSL (option of ±0.1%)
Stability (1 year)	±0.25%FS, typ.
*Over Range Protection	2X Rated Pressure
*Burst Pressure	5X or 20,000 psig, whichever is less
Pressure Cycles	> 100 Million

¹ Accuracy includes: Non-linearity, Hysteresis, and Non-repeatability

Physical Description	
Wetted Material	17.4 PH Stainless Steel (for others consult factory)
Case (Housing)	304 Stainless Steel (for others consult factory)
Electrical Connection	Cable, Mini DIN 43650 or 6-Pin Bendix. (for other lengths consult factory)

Environmental Data	
Temperature	
Operating	-40 to 85 °C (-40 to 185 °F)
Storage	-50 to 125 °C (-60 to 250 °F)
Thermal Limits	
Compensated Range	0 to 55 °C (30 to 130 ° F)
Temp. Comp. Zero	<±1.5% of FS (±2.0% for 316L)
Temp. Comp. Span	<±1.5% of FS (±2.0% for 316L)
Other	
Shock	100G, 11msec, 1/2 sine
Vibration	20G Peak, 20 to 2400 Hz
EMI/RFI Protection	Yes
Rating	IP-66



Electrical Data				
Excitation	10-28VDC, typ.	10-28VDC, typ.	10-28VDC, typ.	5VDC, typ.
Output	4-20mA	Voltage (3 or 4 wire)	Frequency	0-50mV
Output Impedance	-	<100 Ohms nom.	10K, pull up	1100 Ohms nom.
Current Consumption	25mA max.	<10mA	<15mA	<5mA
Bandwidth (-3dB)	DC to 250Hz	DC to 1kHz	DC to 250Hz	DC to 5kHz min.
Output Noise	-	<2mV RMS	<2mV RMS	-
Reverse Polarity	Yes	Yes	Yes	Yes
Zero Offset	<±1.0% of FS	<±1.0% of FS	<±1.0% of FS	<±2.0% of FS
Span Tolerance	<±2.0% of FS	<±1.5% of FS	<±1.5% of FS	<±2.0% of FS
Output Load	See Load Line Curve	10k Ohms min.	10k Ohms min.	1M Ohms

Pressure Ranges**			
Gage psig	Proof psig	Burst psig	Pressure Range Code
0-15	30	200	00015
0-25	50	250	00025
0-50	100	250	00050
0-100	200	500	00100
0-200	400	1,000	00200
0-500	1,000	2,500	00500
0-1,000	2,000	5,000	01000
0-2,500	5,000	12,500	02500
0-5,000	10,000	20,000	05000
0-7,500	15,000	20,000	07500
0-10,000	20,000	20,000	10000

* Typical Ranges. All ranges between 0-25 psig and 0-10,000 psig are available. Please consult factory.

** Vacuum calibration available. Please consult factory. Specifications are subject to change without notice.

Ordering Information

Construct a product code using the chart below. (Consult factory for other options)

47-A-00500-P-3-B-0-000

Series Type	Process Connection	Pressure Range	Pressure Unit	Outputs	Electrical Interface	Wetted Material	Options
47 Standard	X= Special A= 1/4" MNPT B= 1/8" MNPT F= 7/16" -20 UNF Male	XXXXX= Special Insert pressure range code from pressure range chart. Vacuum = V0000 -14.7psig/-1.01bar For vacuum replace first zero with (V) in pressure code. (Ex. V0500 = Vacuum to 500 psig)	X= Special B= BAR K= kg/cm ² P= psig	X= Special 2= 0-5V (3 wire) 3= 1-5V/DC 4= 4-20mA 5= 0-10V (3 wire) 6= 1-6kHz 7= 0-5V (4 wire) 8= 0-10V (4 wire)	X= Special A= 2ft. cable B= 4ft. cable C= 6ft. cable D= 10ft. cable E= Mini DIN 43650 F= Bendix 6 pin connector	X= Special 0= 17.4 PH 1= 316L	XXX= Special 000= No options

Dimensional Information

Electrical Connections - Cable Only				
Cable				
Output Type	Green	Black	Red	White
mV, 0-5V, 0-10V	+S (Output)	-V (Supply)	+V (Supply)	-S (Output)
0.5-4.5V, 1-5V, 1-6V	S (Output)	-V (Supply)	+V (Supply)	N/C
4-20mA	N/C	-V (Supply)	+V (Supply)	N/C
Mini DIN 43650				
Output Type	Pin 1	Pin 2	Pin 3	Wide Pin
mV, 0-5V (4-wire), 0-10V(4-wire)	+S (Output)	-V (Supply)	+V (Supply)	-S (Output)
0-5V (3-wire), 1-5V, 0-10V(3-wire)	S (Output)	-V (Supply)	+V (Supply)	N/C
4-20mA	N/C	-V (Supply)	+V (Supply)	N/C

6-pin Bayonet (Bendix)						
Output Type	Pin A	Pin B	Pin C	Pin D	Pin E	Pin F
mV, 0-5V, 0-10V	+V	+Signal	-Signal	-V	-V	N/C
1-5V, 1-6V, 1-10V	+V	Output	N/C	-V	-V	N/C
4-20 mA	+V	-V	N/C	N/C	N/C	N/C
4-20 mA	+V	-V	N/C	N/C	Shunt	Shunt

4-20mA Load line Curve

Supply Voltage	Line Impedance
10	0
20	600
30	1200

Dimensions: 1.0, 2.61, 0.40, 0.875" HEX, 1/4" MNPT Thread

Components: Jacketed Cable, 0.177 dia., Shrink Tubing, 3/8" dia.