

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	
Case	304 stainless steel
Electrical Connection	Refer to Ordering Information
Wetted Material	Refer to Ordering Information

Environmental Data	
Temperature	
Operating	-40 to 85°C (-40 to 185°F)
Storage	-40 to 125°C (-40 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	10G Peak, 20 to 2400 Hz
EMI/RFI Protection	Yes
Rating	IP-66



Electrical Data				
Output	4-20mA	Voltage (3 or 4 wire)	Frequency (1-6kHz)	5VDC
Excitation	10-28VDC	10-28VDC	10-28VDC	0-50mV
Output Impedance	-	<100 Ohms nom.	10K, pull up	1100 Ohms nom.
Current Consumption	20mA max.	<10mA	<15mA	<5mA
Bandwidth (-3dB)	DC to 250Hz	DC to 1kHz	DC to 250Hz	DC to 5kHz min.
Output Noise	NA	<2mV RMS	<2mV RMS	NA
Zero Offset	<±1% of FS	<±1% of FS	<±1% of FS	<±2% of FS
Span Tolerance	<±2% of FS	<±1.5% of FS	<±1.5% of FS	<±2% of FS
Output Load	See load line curve	10k Ohms min.	10k Ohms min.	>1M Ohms
Reverse Polarity Protection	Yes	Yes	Yes	NA

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/cm² P= psig	X= Special 2= 0-5V (3 wire) 3= 1-5V 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

