

## Features

- Compact and rugged design.
- High strength stainless steel construction.
- No internal fluid filled cavities.
- No Internal o-rings.
- Wide operating temperature range.
- Low static and thermal errors.
- EMI/RFI protection to 100V/m.
- Suitable for high shock and vibration applications.

## Specifications

Performance @ 25 °C (77 °F)	
Line Pressure	0-100 to 1,000 psig (0-7, 0-17, 0-35 and 0-70 bar)
Measurement Range	20% of line pressure, minimum
Proof Pressure	Rated line pressure on either P1 or P2
Burst Pressure	5 times the rated line pressure or 2000 psi, whichever is less
Accuracy <sup>1</sup>	<±0.3% BFSL
Pressure Cycles	> 10 Million

<sup>1</sup> Accuracy includes: Non-linearity, Hysteresis, and Non-repeatability

Physical Description	
Pressure Port	1/8" NPT Female
Case (Housing)	304 Stainless Steel

Environmental Data	
<b>Temperature</b>	
Operating	-40 to 85 °C (-40 to 185 °F)
Storage	-40 to 100 °C (-40 to 212 °F)
<b>Thermal Limits</b>	
Compensated Range	0 to 55 °C (30 to 130 °F)
Total Error Band	±1.5% of FS
Total Error = RSS of zero offset, span tolerance, TC zero, TC span, accuracy	
<b>Other</b>	
Shock	100G, 11msec, 1/2 sine
Vibration	10G Peak, 20 to 2000 Hz
EMI/RFI Protection	100V/m, 150kHz to 1GHz
Rating	IP-66



Electrical Data			
Excitation	10-30VDC, typ.	5VDC	10-30VDC, typ.
Output	Voltage .25-5V, 1-5V, 1-6V	0.5-4.5V Ratiometric	4-20mA
Output Impedance	<100 Ohms nom.	<100 Ohms nom.	-
Current Consumption	<10mA	<10mA	<25mA
Bandwidth (-3dB)	DC to 1kHz	DC to 1kHz	DC to 250 Hz
Output Load	10K Ohms, min.	10K Ohms, min.	See Load Line Curve Below
Reverse Polarity	Yes	No	Yes

Pressure Ranges*				
DP Range (psig), min.	Line Pressure (psig), max.	Burst Pressure (psig)	Measurement Code	Line Code
0-30	100	500	0030	0100
0-60	250	1,250	0060	0200
0-150	500	2,000	0150	0500
0-300	1,000	2,000	0300	1000

\* Typical Ranges. All ranges between 0-30 psig and 0-300 psig are available. Please consult factory.

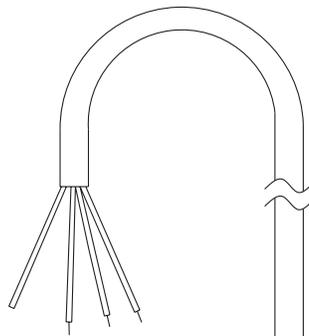
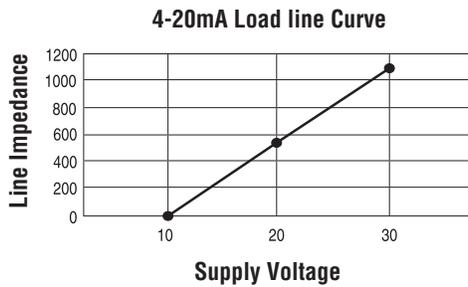
## Ordering Information

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

### 50-H-0500-P-3-B-0-0000

Series Type	Process Connection	Line Pressure Range	Pressure Unit	Outputs	Electrical Interface	Wetted Material	Measurement Range
50 Standard	X= Special H= 1/8" FNPT	XXXXX= Special Insert pressure range code from pressure range chart.	X= Special B= BAR K= kg/cm <sup>2</sup> P= psig	X= Special 2= 0.5-4.5V ratiometric 3= 1-5V/DC 4= 4-20mA 6= 1-6V	X= Special A= 2ft. cable B= 4ft. cable	X= Special 0= 17.4 PH 1= 316L with Parylene-C coating (no options)	Insert 4 digit measurement code from chart on specifications page.

## Dimensional Information



**Table 1**

Output	Red	Black	White	Green
1-5V	+V Supply	-V Supply	Output	Common
4-20mA	+V Supply	-V Supply	Not Used	Common

