

## Features

- Class I Div. 2, Groups A, B, C, and D for use in hazardous locations ANSI/ISA 12.27.01 Single Seal
- CE ENG1326
- High strength stainless steel construction
- No silicone oil, no internal o-rings, no welds
- Wide operating temperature range
- Ranges from Vacuum to 10,000 PSI
- Rugged design survives harsh environments
- Compatible with wide range of gases and liquids
- Suitable for high shock and vibration applications
- EMI/RFI Protection
- ABS (American Bureau of Shipping) Approved

## Specifications

Performance @ 25 °C (77 °F)		
Accuracy <sup>1</sup>	<±0.25% BFSL, <± 0.5% BFSL for 7500 and 10000 PSI	
Stability (1 year)	±0.25% FS, typ.	
Proof Pressure	2X Rated Pressure	
Burst Pressure	5X or 20,000 psig, whichever is less	
Pressure Cycles	> 100 Million	

<sup>1</sup> 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	
<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)
TC Zero	<±1.5% of FS (2.0% for 316L)
TC Span	<±1.5% of FS (2.0% for 316L)
<b>Other</b>	
Shock	100G, 11msec, 1/2 sine
Vibration	10G Peak, 20 to 2000 Hz
EMI/RFI Protection	Yes
Rating	IP-66 (IP-67 optional)



### Electrical Data

Output	4-20mA	1-5VDC, 1-6VDC	0.5-4.5 V ratiometric
Excitation	10-28VDC	10-28VDC	5VDC, reg
Output Impedance	>10k Ohms	<100 Ohms, nom.	<100 Ohms, nom.
Current Consumption	20mA, typ.	5mA, typ.	5mA, typ.
Bandwidth (-3dB): DC to 250 Hz	DC to 250 Hz	DC to 1kHz	DC to 1kHz
Output Noise:	-	<2mV RMS	<2mV RMS
Zero Offset	<±1% of FS	<±1% of FS	<±1% of FS
Span Tolerance	<±2% of FS	<±1.5% of FS	<±1.5% of FS
Output Load	0-800 Ohms @ 10-28VDC	10k Ohms, min.	10k Ohms, min.
Reverse Polarity	Yes	Yes	Yes

### Pressure Ranges\*\*

Gauge psig	Proof psig	Burst psig	Pressure Range Code
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

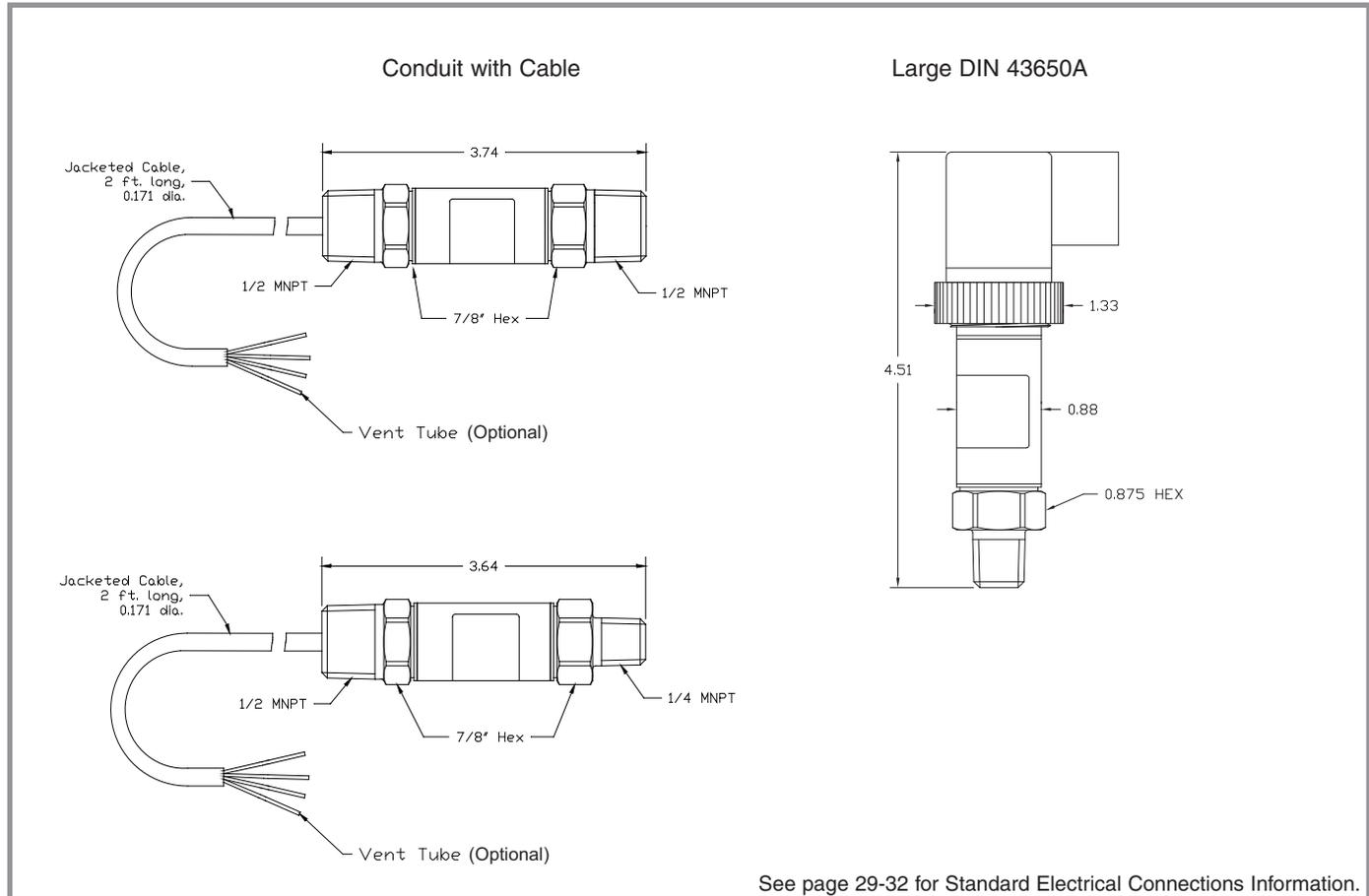
Construct a product code using the chart below. (Consult factory for other options)

**43-A-00500-P-3-L-1-000**

Series Type	Process Connection	Pressure Range	Pressure Unit	Outputs	Electrical Interface	Wetted Material	Options
43 Hazardous Locations	X= Special A= 1/4" MNPT C= 1/4" BSPP Male E= 1/2" MNPT J*= 1/4" FNPT * 316L not available for FNPT sizes	XXXXX= Special Insert pressure range code from pressure range chart. <b>Vacuum = V0000</b> -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 <sup>2</sup> P= psig W= Inches of H <sub>2</sub> O column	X= Special 2= 0.5-4.5V ratiometric 3= 1-5V 4= 4-20mA 2 wire	X= Special I = Large DIN 43650A (male included 1/2" conduit) J= 15ft. cable w/ conduit L= 2ft. cable w/ conduit M= 4ft. cable w/ conduit N= 6ft. cable w/ conduit P= 10ft. cable w/ conduit T= 25ft. cable w/ conduit	X= Special 0= 17.4 PH 1= 316L 2= Inconel 718*	XXX= Special 000= No options 001= Etched name plate A10= ±0.10 Accuracy C01 Calibration 1-9 C10 Calibration 10-49 C50 Calibration 50-up C0S Cleaned for O <sub>2</sub> service

\*Consult factory on availability

### Dimensional Information



See page 29-32 for Standard Electrical Connections Information.