

Features

- High strength stainless steel construction
- No silicone oil, no internal o-rings, no welds
- Wide operating temperature range
- Pressure ranges up to 10,000 psig
- Rugged design survives harsh environments
- Compatible with wide range of gases and liquids
- Suitable for high shock and vibration applications
- Panel up to 0.3" thick
- EMI/RFI Protection
- UL/cUL 508 Approved

Specifications

Performance @ 25 °C (77 °F)	
Accuracy ¹	<±0.5% BFSL
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

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 100°C (-40 to 212° F)
Thermal Limits	
Compensated Range	0 to 55°C (30 to 130° F)
TC Zero	<±1.5% of FS (<±3.0 % for 25 psig)
TC Span	<±1.5% of FS
Other	
Shock	100G, 11msec, 1/2 sine
Vibration	10G Peak, 20 to 2000 Hz
EMI/RFI Protection	Yes
Rating	IP-66 with housing and cable seal only. IP-54 w/o housing



Electrical Data				
Output	4-20mA	1-5VDC, 1-6VDC	0-50mV	0.5-4.5 V ratiometric
Excitation	10-28VDC	10-28VDC	5VDC, typ	5VDC, reg
Output Impedance	>10k Ohms	<100 Ohms, nom.	1100 Ohms, nom.	<100 Ohms, nom.
Current Consumption	20mA, typ.	<10mA	<5mA	<10mA
Bandwidth (-3dB):	DC to 250 Hz	DC to 1kHz	DC to 5kHz, min.	DC to 1kHz
Output Noise:	-	<2mV RMS	-	<2mV RMS
Zero Offset	<±1% of FS	<±1% of FS	<±2% of FS	<±1% of FS
Span Tolerance	<±2.0% of FS	<±1.5% of FS	<±2% of FS	<±1.5% of FS
Output Load	0-800 Ohms @ 10-28VDC	10k Ohms, min.	>1M Ohms,	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

*Other ranges available, please consult factory.

**Output = 5mV/V

Specifications are subject to change without notice.

Ordering Information

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

42-H-00500-P-4-B-0-000

Series Type	Process Connection	Pressure Range	Pressure Unit	Outputs+	Electrical Interface	Wetted Material	Options
42 Panel Mount	X= Special A= 1/4" MNPT H= 1/8" FNPT	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 W= Inches of H ₂ O column	X= Special B= 20mV/V G= 1-10V 1= 10mV/V 3= 1-5V 4= 4-20mA 2 wire 6= 1-6V	X= Special A= 2ft. cable B= 4ft. cable C= 6ft. cable D= 10ft. cable E= Mini DIN 43650C I= Large DIN 43650A (male included, 1/2" conduit) J= 15ft. cable T= 25ft. cable Y= M12x1 Eurofast connector	X= Special 0= 17.4 PH 1= 316L* 2= Inconel*	XXX= Special 000= No options A10= ±0.10 accuracy A25= ±0.25 accuracy C01 Calibration 1-9 C10 Calibration 10-49 C50 Calibration 50-up C0S Cleaned for O ₂ service

*Consult factory for availability

+ Consult factory for millivolt options/outputs

Dimensional Information

Mini DIN 43650C

Dimensions: 1.71, 1.07, 0.88, 0.45, 0.98, 0.50

1/4 MNPT

1.0 x 3/4-20 x .250 Locking Nut

Bendix

6 Pin MIL-C-26482 (REF. MS 3113)					
Pin A	Pin B	Pin C	Pin D	Pin E	Pin F
+V	+S	-S	GND	N/C	N/C
+V	S	N/C	GND	N/C	N/C
+V	GND	N/C	N/C	N/C	N/C
+V	S	N/C	GND	N/C	N/C

Standard Cable

NOTE:
1. Use Greenlee Punch Unit #60086 to prepare the panel hole. Also available from McMaster-Carr as #3449A65.

Jacketed Cable, 2 ft. long, 0.177" dia.

Dimensions: 2.61, 0.88, 0.85, 0.98

1/8" Female NPT

9/16 wrench flats

3/4-20 UNEF

3/4-20 UNEF Locking Nut 1 1/8" wrench flats

See page 29-32 for Standard Electrical Connections Information.