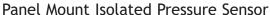
# Series 42





#### **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 <sup>1</sup>	<±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		

<sup>&</sup>lt;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				
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			

<sup>\*</sup>Other ranges available, please consult factory.

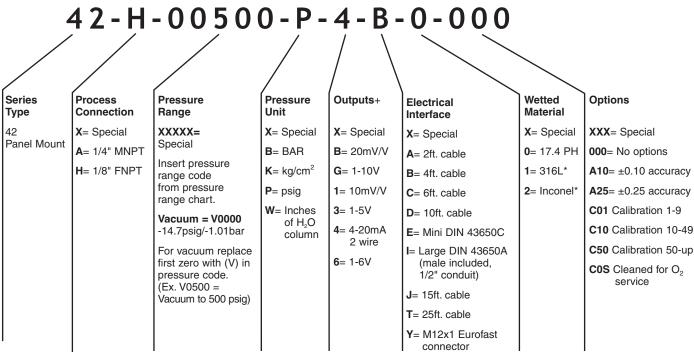
<sup>\*\*</sup>Output = 5mV/V

Specifications are subject to change without notice.

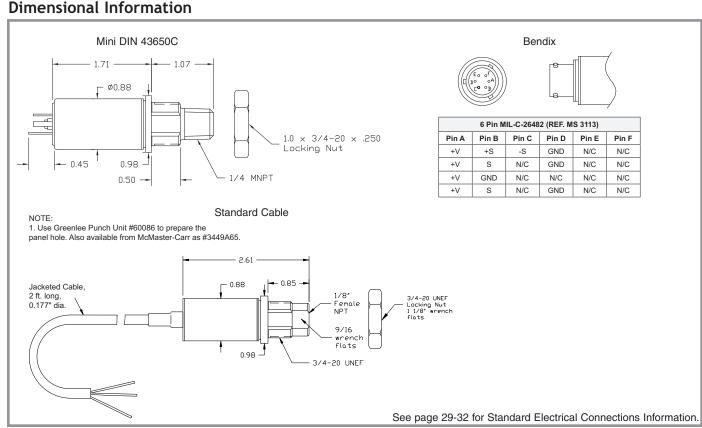


### **Ordering Information**

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



<sup>\*</sup>Consult factory for availability



<sup>+</sup> Consult factory for millivolt options/outputs