

PERFORMANCE SPECIFICATIONS

Supply Current: 1.5mA

Ambient Temperature: 25°C (unless otherwise specified)

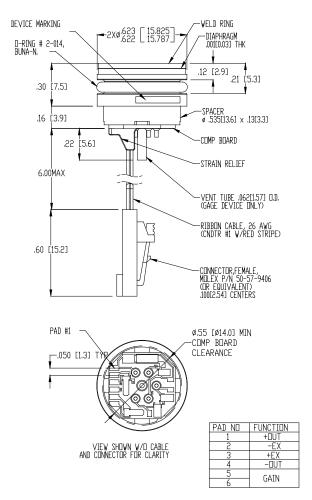
PARAMETERS	005PSI			≥015PSI			LINUTO	NOTEO	
	MIN	TYP	MAX	MIN	TYP	MAX	UNITS	NOTES	
Span	50	100	150	75	100	150	mV	1	
Zero Pressure Output	-2.0	0	2.0	-1.0	0	1.0	mV	2	
Pressure Non Linearity	-0.2		0.2	-0.1		0.1	%Span	3	
Pressure Hysteresis	-0.10	±0.02	0.10	-0.05	±0.02	0.05	%Span		
Repeatability		±0.02			±0.02		%Span		
Input Resistance	2.5K	5.0K	6.5K	2.0K	3.5K	5.8K	Ω		
Output Resistance	4.0K		7.0K	4.0K		6.0K	Ω		
Temperature Error – Span	-1.0		1.0	-0.75		0.75	%Span	4	
Temperature Error – Offset	-1.5		1.5	-0.50		0.50	%Span	4, 5	
Thermal Hysteresis – Span	-0.25	±0.05	0.25	-0.25	±0.05	0.25	%Span	4	
Thermal Hysteresis – Offset	-0.25	±0.05	0.25	-0.25	±0.05	0.25	%Span	4	
Long Term Stability - Span		±0.10			±0.10		%Span/Year		
Long Term Stability - Offset		±0.25			±0.10		%Span/Year		
Supply Current	0.5	1.5	2.0	0.5	1.5	2.0	mA	6	
Output Load Resistance	5M			5M			Ω	7	
Insulation Resistance (50Vdc)	50M			50M			Ω	8	
Output Noise (10Hz to 1KHz)		1.0			1.0		uV p-p		
Response Time (10% to 90%)		0.1			0.1		ms		
Pressure Overload			3X			3X	Rated		
Pressure Burst			4X			4X	Rated	9	
Compensated Temperature	0		50	-20		+85	°C		
Operating Temperature	-20		+70	-40		+125	°C	10	
Storage Temperature	-50		+125	-50		+125	°C	10	
Media – Pressure Port	Liquids ar	Liquids and Gases compatible with 316/316L Stainless Steel							
Media – Reference Port	Compatible with Silicon, Pyrex, Gold, Fluorosilicone Rubber, and 316/316L Stainless Steel								

Notes

- 1. For amplified output circuits, 3.012V ±1% interchangeability with gain set resistor. See application schematic.
- 2. Measured at vacuum for absolute (A) and at ambient for gage (G).
- Best fit straight line.
- 4. Over the compensated temperature range with respect to 25°C.
- 5. 15-psi range sensors have a temperature error of °0.75% (max) of zero from -20°C to +85°C.
- 6. Guarantees output/input ratiometricity.
- 7. Load resistance to reduce measurement errors due to output loading.
- 8. Between case and sensing element.
- 9. The maximum pressure that can be applied to a transducer without rupture of either the sensing element or transducer.
- 10. Maximum temperature range for product with standard cable and connector is -20°C to +105°C.

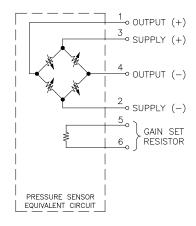


DIMENSIONS



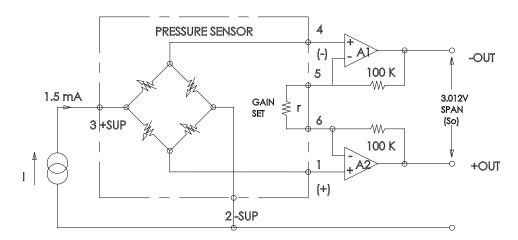
DIMENSIONS ARE IN INCHES [mm]

CONNECTIONS

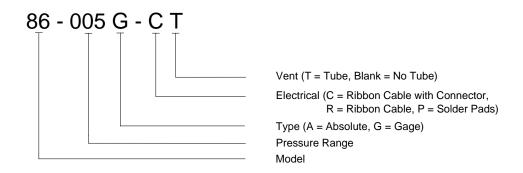




APPLICATION SCHEMATIC



ORDERING INFORMATION



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