



## 89

### 恒压

#### 规格

- 316L 不锈钢压力传感器
- 高压
- 0 - 100mV 输出
- 绝压和密封压

89恒压是一个小的体积，介质兼容，316 L不锈钢包装硅压阻压力传感器。本产品恒压特性5/16-32 UNEF线程,可以焊接到位。它可以封装成各种螺纹连接件的1/4,1/8NPT ,配件以及定制。可以联系工厂螺纹定制。

本产品专为那些需要兼容腐蚀性介质的OEM应用设计。此传感器利用硅油从316 L不锈钢隔膜转换压力到压力传感元件陶瓷是附加到包,其中包含激光调节电阻温度补偿和补偿修正。

## 产品特点

- 线程处理配件或O形环
- 工作温度 -40℃ to +125℃
- $\pm 0.25\%$  FSO
- 固态的可靠性

## 应用

- 液压控制
- 过程控制
- 压力校准器
- 制冷/压缩机

## 标准范围

Range	psia	psis
0 to 1000	•	•
0 to 3000	•	•
0 to 5000	•	•
0 to 10K	•	•

## 性能规格

环境温度: 25° C (除非另有说明)

参数	MIN	TYP	MAX	UNITS	NOTES
满量程输出跨度	98	100	102	mV	1
0压力输出	-1.0		1.0	mV	
压力非线性	-0.25		0.25	%Span	2
压力滞后	-0.1	±0.05	0.1	%Span	
输入阻抗	5500	9000	12500	Ω	
输出阻抗	4000		6000	Ω	
温度误差- 满量程	-1.0	±0.05	1.0	%Span	3
温度误差- 零点	-1.0	±0.05	1.0	%Span	3
热滞现象- 满量程	-0.25		0.25	%Span	3
热滞现象- 零点	-0.25		0.25	%Span	3
长期稳定性- 零点/满量程		±0.1		%Span/yr	
供电电压		10	14	V	
输出负载	5			MΩ	4
绝缘电阻(50Vdc)	50			MΩ	5
过载压力			3X	Rated	6
破压力			4X	Rated	7
工作温度	-40		+125	°C	8
补偿温度范围	-20		+85	°C	3
储存温度	-50		+125	°C	8
介质 - 压力端口	液体和气体兼容316/316L不锈钢				

### Notes

1. 计算在FSP 3000 psi,3000 psi和5000 psi部分测试在2500 psi。以真空(A)和环境的绝对密封计。
2. 最适合0和FSP之间的直线。
3. 在补偿温度范围对+ 25°C
4. 负载电阻由于输出负荷减少测量误差。
5. 对象和传感元件之间。
6. 3 x或20000 psi,以少为准。
7. 4 x或30000 psi,以少为准。 可以应用于传感器的最大压力没有破裂的传感元件和传感器。
8. 对该产品的最大温度范围与标准电缆和连接器-20° C + 105° C。

## 尺寸大小

DIMENSIONS ARE IN INCHES [mm]

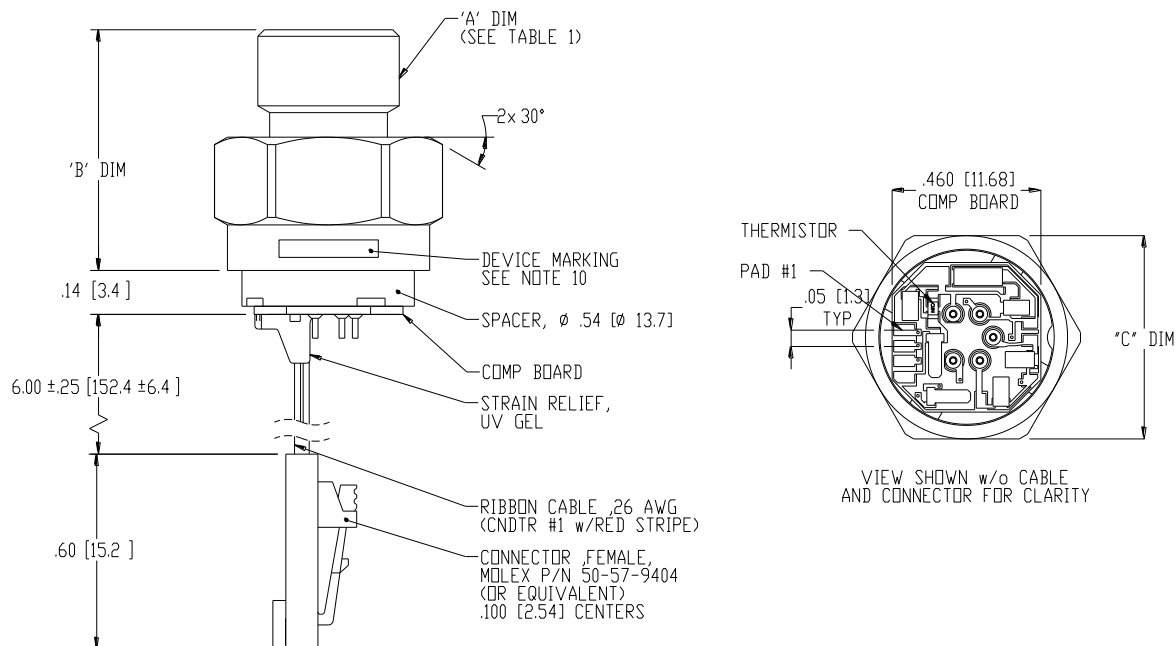
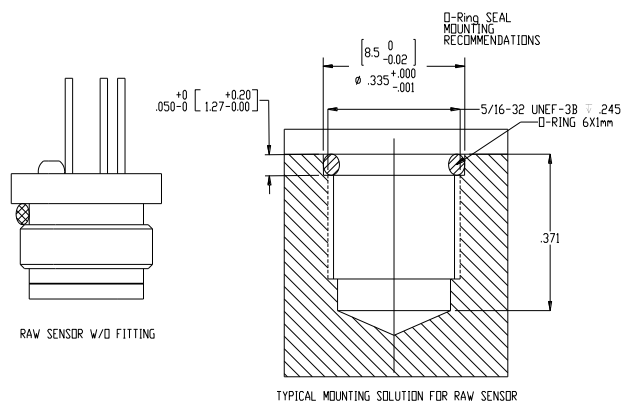
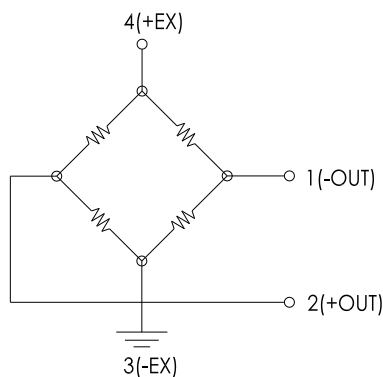


TABLE 1: FITTING DIMENSION

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FITTING TYPE	MEAS P/N	"A" DIM	"B" DIM	"C" DIM
1	IC-D00364	1/4-18 NPT	.93[23.6]	7/8 [22.2] HEX
2	IC-D00365	1/8-27 NPT	.91[23.1]	7/8 [22.2] HEX
3	IC-D00366	7/16-20 UNF	.77[19.6]	7/8 [22.2] HEX
4	IC-D00348	1/4-18 NPT	.82[20.8]	5/8 [15.9] HEX
5	IC-D00367	1/4-19 BSP	.82[20.8]	3/4 [19.0] HEX
8	IC-D00349	1/8-27 NPT	.71[18.0]	5/8 [15.9] HEX
9	IC-D00368	1/4-19 BSP	.89[22.6]	7/8 [22.2] HEX
0	NO FITTING, CERAMIC DO NOT SOLDER ON PINS BUT ATTACHED TOGETHER FOR SHIPPING			
NOTE : FITTING TYPE "4" ASSEMBLY SHOWN ALL DIMS ARE FOR REFERENCE ONLY				



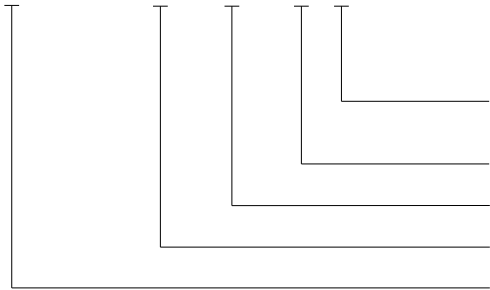
## 电路连接



PAD /WIRE NO	FUNCTION
1	-OUT
2	+OUT
3	-EX
4	+EX

订购须知

89CV - 01K A - 0 R



电气连接 (P = 焊盘, R = 带状线缆  
C = 电缆w/连接器)

配件类型

压力类型(A = 绝压, S = 密封压)

压力范围

型号

**NORTH AMERICA**

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