

压力传感器 - MSP340

产品名称	压力传感器 - MSP340
公司名称	深圳市工采网络科技有限公司
价格	1.00/1
规格参数	品牌:intersema 型号:MSP340
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产品详情

DESCRIPTION

The MSP340 pressure transducer from the Microfused™ line of MEAS is great for high volume, commercial and industrial applications. This series is suitable for measurement of liquid or gas pressure, even for difficult media such as contaminated water, steam, and mildly corrosive fluids. The transducer pressure cavity is machined from a solid piece of 17-4 PH stainless steel. The standard version includes a 1/4 NPT pipe thread allowing a leak-proof, all metal sealed system. There are no O-rings, welds or organics exposed to the pressure media. The durability is excellent. MEAS' proprietary Microfused™ technology, derived from demanding aerospace applications, employs micromachined silicon piezoresistive strain gages fused with high temperature glass to a stainless steel diaphragm. This approach achieves media compatibility simply and elegantly while providing an exceptionally stable sensor without the p-n junctions of conventional micromachined sensors. This product is geared to the OEM customer who uses medium to high volumes. The standard version is suitable for many applications, but the dedicated design team at our

Transducer Engineering Center stands

ready to provide a semi-custom design where the volume and application warrants.

FEATURES

Construction • Pumps and Compressors • Ranges up to 10kpsi or 700Bar
 • Hydraulic/Pneumatic Systems • mV or Amplified Outputs
 Automotive • Ultra Compact Construction
 Apparatuses • Hermetically Isolated Sensor Technology
 Dusters
 Based

APPLICATIONS • One-Piece Stainless Steel

• After Market
 • Tank Pressure in Breathing
 • Agriculture – Sprayers and
 • Refrigeration – Freon and Ammonia

Supply Voltage: 5.0V, Ambient Temperature: 25°C (unless otherwise specified) PARAMETERS

MIN	TYP	MAX	UNITS	NOTES
-2.0		2.0	%F.S.	Zero Offset Tolerance
-2.0		2.0	%F.S.	1 Span Tolerance
hysteresis, and repeatability)			-1.0	1 Accuracy (combined non linearity, hysteresis, and repeatability)
Term Stability (1 year)			1.0	%F.S.
%F.S. Isolation, Body to Any Lead (@250Vdc)			-0.25	0.25
M? Temperature Error – Zero				50
%F.S. Temperature Error – Span			-2.0	2.0
%F.S. Compensated Temperature			-2.0	2.0
°C Operating Temperature			0	55
°C Storage Temperature			-20	+85
°C Pressure Cycles (Zero to Full Scale)			-40	+85
Million Proof Pressure			10	
Rated Burst Pressure			2X	
Rated Load Resistance (RL, mV Output)			5X	
M? Load Resistance (RL, V Output)				RL > 1
K? Bandwidth				RL > 5
				DC to 1KHz (typical)