SS103 Series Piezoresistive Pressure Sensor Element

Application

1,Industrial process control
2,Liquid pressure system and switch
3,Level measure 4,Gas, liquid pressure measure
5,Pressure inspection meter 6,Pressure calibrator
7,Cooling equipment and air conditioner 8,Aviation and navigation inspection

Feature

1,High accuracy, High reliability.
2,Constant current power supply
3, Absolute, Sealing pressure is optional
4,Wider temperature compensation range
5,Isolated construcion,Enable to test various media

Performance & Parameters

Power Supply	1.5 mADC
Span Output	~100mV
Zero Output	±2 mVDC
Accuracy	0.5%; 1%
Measuring Range(Absolute)	0~600KPa…10MPa
Measuring Range(Gauge)	0~600KPa…2.5MPa
Overload	<10MPa
Temperature Compensation	
Operating Temperature	-40~125°C
Input Impedance	2.3 KΩ~4 KΩ
Zero Thermal Error	±0.02%FS/°C
Span Thermal Error	±0.02%FS/°C

Construction

O-Ring	Viton
Diaphragm	Stainless Steel
Housing	Stainless Steel
Filling Liquid	Silicone oil
Electric connection①	Kovar pin
Electric connection②	
Diameter	Ø19mm
Height	5.6mm
Weight	9g

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Dimensions

Connections

Pin	Function	Drawing
1	Supply +	
2	Output +/Output -	
3	Supply -	
4	Supply -	
5	Output -/Output +	

Ordering Guide

Model	Pressure Range	Power Supply	Output Signal	Pressure Port	Electric Connection	Accuracy	Other
SS100		----	----	----			---
SS100	0~10Mpa				①	0.5%	

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