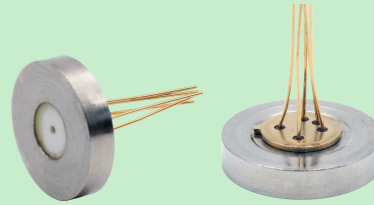


SS111 series simple pressure transducers

- Silicon gel protected
- Absolute pressure only
- Low cost, compact size
- Standard diameter 19mm
- High accuracy, high reliability
- Constant current or voltage supply
- Measure non-conductive, non-corrosive gas



Descriptions

SS111 series silicon gel coating pressure transducer, has the diameter 19mm and height 4mm only, is a low cost type piezo-resistive sensor. The most important sensing part is made of a high stable piezoresistive silicon die, which is protected by a transparent silicon gel to against the influence of the external environment. The pressure acts on the gel and then transmit the pressure to the chip, available from 6bar to 25 bar(600KPa to 2.5MPa), not temperature compensated but still have a good performance. Electrical connection is made via a five pin header, a PCB can be soldered directly to the header pins, suitable to measure all silicon gel compatible gas, for example: industrial process control, meteorology, etc.

Parameters

Power supply	1.5mADC (typical)	5VDC is on request
Zero output	Not adjusted ①	
Span output	100±20mV (typical)	
Accuracy	1.0%F.S. @25°C (typical)	
Measuring range(Absolute)	0~600KPa...2.5MPa	
Overload	2.0*F.S.	
Temperature compensation	None	
Operating temperature	-20~100°C	
Storage temperature	-40~125°C	
Input impedance	2.3KΩ~4KΩ	

①: The zero output signal need to be adjusted by our clients.

Constructions

Housing	Stainless steel 304
Sensor	Silicon
Electrical connection	Kovar pins
Diameter	Ø19mm
Height	4.0mm
Weight	5g

SS111 series simple pressure transducers

Drawings & electrical connections

Drawings	Electrical connections
	PIN1: Supply +
	PIN2: Output -
	PIN3: Supply -
	PIN4: Supply -
	PIN5: Output +

Ordering information

EXAMPLE: **SS111 A 01**

1	Pressure range(Bar) A(6) B(10) C(16) D(25) E(Other range is on request)	A
2	Power supply 01 1.5mADC 02 5VDC 03 10VDC 04 Other supply is on request	01

Optional

Non silicon gel coating	Customized dimension	
-------------------------	----------------------	--

Contact us

Company name	Ninghai sendo sensor co., Ltd	
Company address	Floor 5, building 2, no.48 jiujuan road, jianggan district, 310000 Hangzhou, China	
Website	http://www.sendo-sensor.com	
Email(sales)	sales@sendo-sensor.com	
Email(Mr Chen)	cain.chen@sendo-sensor.com	
Skype	sendosensor	
Tel: 0086-0574-27725960	Fax: 0086-0574-27725970	Phone: 0086-13616574884

*Specifications subject to change without notice, the latest date sheet please contact: sales@sendo-sensor.com