

BS10 Piezoresistive OEM Pressure Sensor

Features

- Low cost,compact size,ease installation;
- TO-5,TO-8 Packaging;
- Pressure range -100kPa~0kPa~35kPa...700kPa;
- Gauge, absolute and sealed gauge;
- Measure non-conductive,non-corrosive gas or liquid.



Introduction

BS10 Series Pressure Sensor encapsulates piezoresistive pressure sensor as TO-8,TO-5 metal housing and the standard plastic DIP or ceramic housing.Lower cost,simple package,small size. It can transit the pressure into the voltage signal.Variou dimensions for choice.Widely used for pressure measurement of the clean air or gas without corrosion.

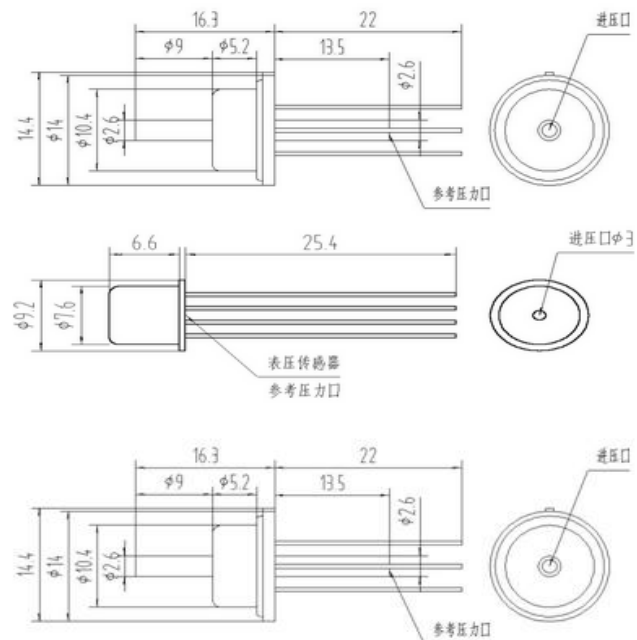
Application

·Medical equipment ·Respirator ·Barometer ·Cars ·Process control ·Electrical appliances
Electrical appliances and leak detection ·Pressure calibrator ·Communication system

Introduction

Power supply	1.5mA(typ.) / 10VDC
Pressure reference	Gauge Pressure /Absolute Pressure/Differential Pressure
Measuring media	Clean air or gas without corrosion
Pressure range	-100kPa~0kPa~35kPa...700kPa
Overpressure	2 times FS
Zero output	±2 mVDC
Input impedance	3kΩ~6kΩ
Accuracy	0.3%(typ.)

Outline Structure



Order Guide

BS10	OEM Pressure sensor						
	Code	Type					
	8	TO-8					
	5	TO-5					
	D	DIP					
		Code	Pressure range				
		0.035	35kPa				
		0.07	70kPa				
		0.1	100kPa				
		0.2	200kPa				
		0.35	350kPa				
		0.7	700kPa				
		1.4	1.4MPa				
		2.1	2.1Mpa				
		3.5	3.5MPa				
		007	7MPa				
		017	17MPa				
		035	35MPa				
			Code	Pressure reference			
			A	Absolute pressure			
			G	Gauge pressure			
			S	Sealed gauge pressure			
			-	Differential pressure			
				Code	Excitation		
				C	1.5mA		
				V	others (please specify)		
					Code	Temperature compensated type	
					N	no compensation	
					R	compensated by resistors	
						Code	
						Code	Electric connection
						1	kovar
						2	silicon rubber flexible wires
BS10	8	0.07	G	C	N	1	

Order note:

1. It is recommended that the sensor should be installed as Suspended Mode to avoid face tight press and avoid affecting sensor stability.
2. Please pay attention to protect the diaphragm to prevent any damage or bad performance.
3. If the working temperature of Viton rubber exceeds the temperature of the rubber specification or be applied in critical environment, please contact us.
4. The material of measuring medium should be compatible with the stainless steel.If it is corrosive,pls specify its material in

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detail.

5. All specifications are subject to change. Contact Gaohua for specifications and engineering drawings that are critical to your application. Drawings contained in this document are for reference only.