



5V Analog Pressure Transducer Datasheet

(SNS-0003)

Overview

Description

Pressure transducers are placed in line of your pneumatics system and provide an analog signal that changes based on the available pressure.

Technical Details

Specifications

Thread	1/8" - 27 NPT
Input	0-200psi
Output	0.5-4.5V linear voltage output (0psi outputs 0.5V, 100psi outputs 2.5V, and 200 psi output 4.5V)
Working Temperature	-40 to 257 °F (-40 to 125 °C)
Accuracy	±1%
Overload Capacity	400psi
Load Resistance	≤(supply power-6.5V/0.02A)Ω
Long Term Stability	±0.2%/year
Temperature Effect on Zero	Typical: ±0.02%/°C; Maximum: ±0.05%/°C
Temperature Effect on Sensitivity	Typical: ±0.02%/°C ; Maximum: ±0.05%/°C
Shock Resistance	100g
Anti-Shock	≤±0.01%(X,Y,Z axes, 200Hz/g)
Response Time	≤1ms
Insulation Resistance	>100mΩ 500VDC
Explosion-Proof Class	ExiaTTCT6
Electromagnetism Compatibility	EN50081-1; EN50082-2; IEC6 1000-4-3
Wiring Connector	Water sealed quick disconnect. Mating connector and wire harness (pigtail) is included.

Diagram

