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SLP010D



Actual product appearance may vary.

Pressure Sensors: Measurement Type: Differential; 0 in H₂O to 10 in H₂O, Button package - No Port

Features

Accurate Low Pressure Readings
 Low Cost
 High Impedance Bridge
 Low Noise
 Low Power Consumption for Battery Operation

Potential Applications

Medical Instrumentation
 Portable and Battery Powered Equipment
 Air Flow Monitoring
 HVAC
 Industrial Controls

Description

The SLP Series pressure sensors are a low cost component used for measuring very low pressures. These low pressure range devices were specifically designed to accurately measure differential and gage pressure of 0 in H₂O to 10 in H₂O. They are meant for use with non-corrosive and non-ionic media, such as air, dry gasses and similar media.
 The SLP Series are differential devices that allow application of pressure to either side of the diaphragm and can be used for gage or differential pressure measurements.

Supporting Documentation

- ▣ [Dimensions](#)
- ▣ [Electrical Connections](#)
- ▣ [Equivalent circuit](#)

Product Specifications	
Measurement Type	Differential, Gage
Signal Conditioning	Unamplified
Pressure Range	0 in H ₂ O to 10 in H ₂ O
Maximum Overpressure	5.0 psi
Supply Voltage	7.5 Vdc max.
Compensated	No
Output Calibration	No
Response Time	100 ?s
Termination	PCB
Port Style	None
Package Style	Button
Full Scale Span	34 mV min., 50 mV typ., 110 mV max.
Zero Pressure Offset	-40.0 mV min., 0.0 mV typ., 40.0 mV max.
Repeatability	± 0.5% span
Input Resistance	4.7 kOhm typ.
Output Resistance	4.7 kOhm typ.
Offset Position Sensitivity	50 ?V/V/g
Operating Temperature Range	0 °C to 50 °C [32 °F to 122 °F]
Storage Temperature Range	0 °C to 70 °C [32 °F to 158 °F]
Media Compatibility	Clean, dry gases only.
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Comment	Lead Temperature Soldering 2 s to 4 s at 250 °C [482 °F]
Availability	Global
Series Name	SLP

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