Honeywell

Honeywell Sensing and Control

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236PC30GW



Actual product appearance may vary.

Pressure Sensors: Measurement Type: Gage, Vacuum Gage; Unamplified; Range: ± 30.0 psi

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Features

Robust package
Prewired
Temperature compensated for span over 0 °C to 50 °C [32 °F to 122 °F]
Calibrated null and span

Potential Applications

Medical
Oxygen and nitrogen gas distribution in hospitals
Respirators and ventilators
Environmental
Water control valves
Instrumentation
Irrigation equipment
Industrial Instrumentation
Robotics
Pressure valves
Leak detection
Air compressors

Description

236PC Series pressure sensors provide a millivolt output that is proportional to the pressure applied. They operate from 0 psi to 5.0 psi and 0 psi to 150 psi using a single, positive supply voltage ranging from 10.0 Vdc to 16.0 Vdc.

Supporting Documentation

Engineering Drawing

Product Specifications	
Signal Conditioning	Unamplified
Pressure Range	± 30.0 psi
Maximum Overpressure	60.0 psi
Supply Voltage	10 Vdc typ., 16.0 Vdc max.
Compensated	No
Output Calibration	Yes
Response Time	1 ms max.
Port Style	Threaded 1/4 - 28 UNF
Package Style	Honeywell - 200PC
Typical Sensitivity	2.67 mV/psi
Full Scale Span	80 mVdc typ.
Null Offset	0 mV typ.
Null Shift over Temperature	± 3.0 mV typ.
Repeatability & Hysteresis Error	± 0.25 % span typ.
Shock	Qualification tested to 150 g
Vibration	MIL - STD - 202 Method 213 (150 g half sine 11 ms)
Weight	57 g [2 oz]
Operating Temperature Range	- 30 °C to 70 °C [- 22 °F to 1581 ° F]
Compensated Temperature Range	0 °C to 50 °C [32 °F to 122 °F]
Storage Temperature Range	- 40 °C to 105 °C [- 40 °F to 221 ° F]
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	236PC