

Honeywell Sensing and Control

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236PC30GW



Actual product appearance may vary.

Temperature compensated for span

over 0 °C to 50 °C [32 °F to 122 °F]

Calibrated null and span

Type: Gage, Vacuum Gage; Unamplified; Range: ± 30.0 psi

Pressure Sensors: Measurement

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

FeaturesRobust package

Prewired

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

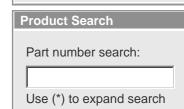
Product Specifications	
Signal Conditioning	Unamplified
Pressure Range	± 30.0 psi
Maximum Overpressure	60.0 psi
Supply Voltage	10 Vdc typ., 16.0 Vdc max.
Compensated	No
Output Calibration	Yes
Response Time	1 ms max.
Port Style	Threaded 1/4 - 28 UNF
Package Style	Honeywell - 200PC
Typical Sensitivity	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



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