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236PC100GW



Actual product appearance may vary.

Pressure Sensors: Measurement
Type: Gage, Vacuum Gage;
Unamplified; Range: ± 100 psi

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	± 100 psi
Maximum Overpressure	225 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	1 mV/psi
Full Scale Span	100 mV 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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