

Honeywell



Representative photograph, actual product appearance may vary.

Due to regional agency approval requirements, some products may not be available in your area. Please contact your regional Honeywell office regarding your product of choice.

236PC15GW

Pressure Sensors: Measurement Type: Gage, Vacuum Gage; Unamplified; Range: \pm 15.0 psi

Features

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

Typical 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.

Honeywell

236PC15GW

Pressure Sensors: Measurement Type: Gage, Vacuum Gage; Unamplified; Range: \pm 15.0 psi

Product Specifications	
Measurement Type	Gage, Vacuum Gage
Signal Conditioning	Unamplified
Pressure Range	± 15.0 psi
Maximum Overpressure	45.0 psi
Supply Voltage	10 Vdc typ., 16.0 Vdc max.
Compensated	No
Output Calibration	Yes
Response Time	1 ms max.
Termination	24 AWG conductor cable 18" long
Port Style	Threaded 1/4-28 UNF
Package Style	Honeywell - 200PC
Linearity	± 2.50 % span max.(P2 > P1)
Typical Sensitivity	6.67 mV/psi
Full Scale Span	100 mVdc typ.
Null Offset	0 mV typ.
Null Shift over Temperature	± 3.0 mV typ.
Span Shift Over Temperature	± 1.50 % span typ.
Repeatability & Hysteresis Error	± 0.25 % span typ.
Input Resistance	6.8 kOhms
Shock	Qualification tested to 150 g
Vibration	MIL-STD-202 Method 213 (150 g half sine 11 ms)
Weight	56 g [2.0 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]
Media Compatibility	Liquid or gaseous so long that is does not react with silicon glass, 300 series stainless steel or urethane based epoxy
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	236PC Series



236PC15GW

Pressure Sensors: Measurement Type: Gage, Vacuum Gage; Unamplified; Range: \pm 15.0 psi

WARNING

PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

WARNING

MISUSE OF DOCUMENTATION

- The information presented in this product sheet (or catalog) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

© Copyright Honeywell Inc. 1998-2004 All rights reserved.