

# Honeywell

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*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.

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## 236PC15GW

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Product Specifications	
<b>Measurement Type</b>	Gage, Vacuum Gage
<b>Signal Conditioning</b>	Unamplified
<b>Pressure Range</b>	± 15.0 psi
<b>Maximum Overpressure</b>	45.0 psi
<b>Supply Voltage</b>	10 Vdc typ., 16.0 Vdc max.
<b>Compensated</b>	No
<b>Output Calibration</b>	Yes
<b>Response Time</b>	1 ms max.
<b>Termination</b>	24 AWG conductor cable 18" long
<b>Port Style</b>	Threaded 1/4-28 UNF
<b>Package Style</b>	Honeywell - 200PC
<b>Linearity</b>	± 2.50 % span max.(P2 > P1)
<b>Typical Sensitivity</b>	6.67 mV/psi
<b>Full Scale Span</b>	100 mVdc typ.
<b>Null Offset</b>	0 mV typ.
<b>Null Shift over Temperature</b>	± 3.0 mV typ.
<b>Span Shift Over Temperature</b>	± 1.50 % span typ.
<b>Repeatability &amp; Hysteresis Error</b>	± 0.25 % span typ.
<b>Input Resistance</b>	6.8 kOhms
<b>Shock</b>	Qualification tested to 150 g
<b>Vibration</b>	MIL-STD-202 Method 213 (150 g half sine 11 ms)
<b>Weight</b>	56 g [2.0 oz]
<b>Operating Temperature Range</b>	-30 °C to 70 °C [-22 °F to 1581 °F]
<b>Compensated Temperature Range</b>	0 °C to 50 °C [ 32 °F to 122 °F]
<b>Storage Temperature Range</b>	-40 °C to 105 °C [-40 °F to 221 °F]
<b>Media Compatibility</b>	Liquid or gaseous so long that is does not react with silicon glass, 300 series stainless steel or urethane based epoxy
<b>UNSPSC Code</b>	411121
<b>UNSPSC Commodity</b>	411121 Transducers
<b>Availability</b>	Global
<b>Series Name</b>	236PC Series



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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.**

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