



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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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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### 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 it 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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### **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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