

243PC15M



Pressure Sensors: Measurement Type:
Bidirectional Gage; Signal Conditioning:
Amplified; Pressure Range: ± 15.0 psi; Port
Style: 1/8-27 NPT Thread

Actual product appearance may vary.

Features

- Internal O-Ring seals for contamination resistance
- Screw-in or flat-pack mounting
- Rugged aluminum housing
- Fully signal conditioned
- Amplified

Potential Applications

Environmental

- Water control valves
- Instrumentation
- Irrigation equipment

Industrial Instrumentation

- Robotics
- Pressure valves
- Leak detection
- Air compressors

Description

240PC Series pressure sensors provide an output voltage proportional to the applied pressure. They operate from 0 psi to 15.0 psi and 0 psi to 250 psi from a single positive supply voltage ranging from 7.0 Vdc to 16.0 Vdc.

Product Specifications	
Measurement Type	Bidirectional Gage
Signal Conditioning	Amplified
Pressure Range	± 15.0 psi
Maximum Overpressure	45.0 psi
Supply Voltage	7.0 Vdc min., 8.0 Vdc typ., 16.0 Vdc max.
Compensated	Yes
Output Calibration	Yes
Response Time	1 ms max.
Termination	300 mm [12 in] long #18AWG leadwire
Port Style	1/8 in - 27 NPT
Package Style	Honeywell - 200PC
Linearity	± 1.50 % span max. ($P2 > P1$), ± 0.75 % span max. ($P2 < P1$)
Typical Sensitivity	0.167 V/psi
Full Scale Span	± 2.5 Vdc typ.

Null Offset	3.50 Vdc 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	85 g [2.99 oz]
Operating Temperature Range	-40 °C to 85 °C [-40 °F to 185 °F]
Compensated Temperature Range	-18 °C to 63 °C [0 °F to 145 °F]
Storage Temperature Range	-55 °C to 125 °C [-67 °F to 257 °F]
Media Compatibility	P2 port: Wetted materials; die-cast aluminum housing, O-ring seal, silicon, borosilicate glass, and silicon-to-glass bond
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Comment	Buna-N Port Seal. Adhesive between thermoplastic and aluminum instead of O-ring seal.
Availability	Global
Series Name	240PC