



26PCBFA6D



Actual product appearance may vary.

Pressure Sensors: Measurement Type:
Gage, Vacuum Gage, Wet/Wet
Differential; Signal Conditioning:
Unamplified; Pressure Range: ± 5.0 psi;
Port Style: Straight

Features

- True wet/wet differential sensing
- Lowest priced sensor with temperature compensation and calibration
- Operable after exposure to frozen conditions
- Calibrated null and span
- Temperature compensated
- Provides interchangeability
- Can be used to measure vacuum or positive pressure

Potential Applications

Medical

- Oxygen and nitrogen gas distribution in hospitals
- Dental chairs

Environmental

- Water control valves
- Instrumentation
- Irrigation equipment
- Filter monitoring equipment

Industrial Instrumentation

- Robotics
- Pressure valves
- Leak detection
- Air compressors

Analytical Instrumentation

- Gas chromatography

Description

The factory calibrated 26PC Series miniature pressure sensors provide reliable differential pressure sensing performance in a compact package. The sensor features a proven sensing technology that utilizes a specialized piezoresistive micro-machined sensing element which allows part interchangeability, high performance, reliability, and accuracy. The low power, non-amplified, non-compensated Wheatstone bridge circuit design provides inherently stable mV outputs over 1.0 psi to 250 psi sensing ranges.

Product Specifications	
Measurement Type	Wet-Wet Differential/Gage/ Vacuum Gage
Signal Conditioning	Unamplified
Pressure Range	± 5.0 psi
Maximum Overpressure	20.0 psi
Supply Voltage	10.0 Vdc typ., 16.0 Vdc max.
Compensated	Yes
Output Calibration	Yes
Response Time	1 ms max.
Termination	PCB; 1 x 4; 0.600 in
Port Style	Straight
Package Style	Honeywell - 20PC
Linearity	0.40% span typ., 0.50% span max.
Typical Sensitivity	10 mV/psi
Full Scale Span	50 mVdc typ.
Null Offset	0 mV typ.
Null Shift over Temperature	± 0.5 mV typ., ± 1.0 mV max.
Span Shift Over Temperature	± 1.0% span typ., ± 1.5% span max.
Repeatability & Hysteresis Error	± 0.20 % span typ.
Input Resistance	5.5 kOhm min., 7.5 kOhm typ., 11.5 kOhm max.
Output Resistance	1.5 kOhm min., 2.5 kOhm typ., 3.0 kOhm max.
Shock	Qualification tested to 150 g
Vibration	MIL-STD-202 Method 213 (150 g half sine 11 ms)
Weight	2 g [0.07 oz]
Operating Temperature Range	-40 °C to 85 °C [-40 °F to 185 °F]
Compensated Temperature Range	0 °C to 50 °C [32 °F to 122 °F]
Storage Temperature Range	-55 °C to 100 °C [-67 °F to 212 °F]
Media Compatibility	Limited to media which will not attack polyetherimide, silicon, flourosilicone, silicone, EPDM and neoprene seals.
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	26PC

