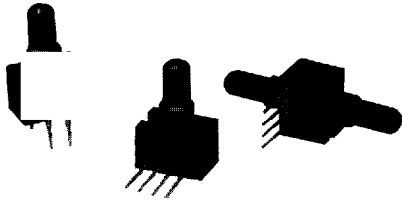


# Pressure Sensors

## Gage and Differential/Unamplified

26PC Series

### Temperature Compensated Sensors



#### FEATURES

- Lowest priced sensor with temperature compensation and calibration
- Variety of gage pressure port configurations - easily and quickly modified for your special needs
- Choice of termination for gage sensors
- Calibrated Null and F.S.O.
- Temperature compensated for F.S.O. over 0 to 50°C
- Provides interchangeability
- Can be used to measure with vacuum or positive pressure

### 26PC SERIES PERFORMANCE CHARACTERISTICS at 10.0 ±0.01 VDC Excitation, 25°C

	Min.	Typ.	Max.	Units
Excitation	---	10	16	VDC
Null Offset	-1.5	0	+1.5	mV
Null Shift, 25° to 0°, 25° to 50°C	---	---	±1.0	mV
Linearity, P2 > P1, BFSL	---	---	±1.0	%F.S.O.
Sensitivity Shift, 25° to 0°, 25° to 50°C	---	---	±1.0	%F.S.O.
Repeatability & Hysteresis	---	±0.20	---	%F.S.O.
Response Time	---	---	1.0	msec
Input Resistance	---	7.5 K	---	ohms
Output Resistance	---	2.5 K	---	ohms
Stability over One Year	---	±0.5	---	%F.S.O.
Weight	---	2	---	grams

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40° to 85°C (-40° to +185°F)
Storage Temperature	-55° to +100°C (-67° to +212°F)
Compensated Temperature	0° to +50°C (32° to +122°F)
Shock	Qualification tested to 150 g
Vibration	Qualification tested to 0 to 2 kHz, 10 g sine
Media (P1 & P2)	Limited only to those media which will not attack polyester, silicon and fluorosilicone seal

### 26PC SERIES ORDER GUIDE

Catalog Listing	Pressure Range psi	Full Scale Output F.S.O., mV			Sensitivity mV/psi Typ.	Overpressure psi Max.	Linearity, %F.S.O. P2 > P1 Max.
		Min.	Typ.	Max.			
26PCB Type	5.0	47	50	53	10	20	±1.0
26PCC Type	15	97	100	103	6.67	45	±1.0
26PCD Type	30	97	100	103	3.33	60	±1.0

# Pressure Sensors

## Gage and Differential/Unamplified

26PC Series

### GAGE SENSOR SELECTION GUIDE

<b>2</b> Product Family	<b>6</b> Circuit Type	<b>PC</b> Pressure Transducer	<b>B</b> Pressure Range	<b>F</b> Type of Seal	<b>A</b> Type of Port	<b>2</b> Termination Style	<b>G</b> Pressure Measurement
2 20PC family	6 Compensated Calibrated		<b>B</b> 5 psi <b>C</b> 15 psi <b>D</b> 30 psi	<b>F</b> Fluorosilicone	<b>A</b> Straight <b>B</b> Barbed <b>C</b> Luer <b>D</b> Modular <b>H</b> M5 Thread <b>I</b> 90° Port <b>J</b> Needle <b>M</b> ¼° 28 NPT Thread	1 1 x 4 2 2 x 2	<b>G</b> Gage

### DIFFERENTIAL SENSOR SELECTION GUIDE

<b>2</b> Product Family	<b>6</b> Circuit Type	<b>PC</b> Pressure Transducer	<b>B</b> Pressure Range	<b>F</b> Type of Seal	<b>A</b> Type of Port	<b>1</b> Termination Style	<b>D</b> Pressure Measurement
2 20PC family	6 Compensated Calibrated		<b>B</b> 5 psi <b>C</b> 15 psi <b>D</b> 30 psi	<b>F</b> Fluorosilicone	<b>A</b> Straight	1 1 x 4	<b>D</b> Differential

**Example:** 26PCBFA2G

Compensated and calibrated 5 psi sensor with fluorosilicone seal, straight port, 2 x 2 terminals, and Gage pressure measurement.

### 16PC REPLACEMENT SELECTION GUIDE (Terminal Style 3, not shown)

Obsolete 14PC Listing	F.S.O. (mV) @ 10 VDC			Replacement 26PC Listing	F.S.O. (mV) @ 10 VDC		
	Min.	Typ.	Max.		Min.	Typ.	Max.
16PC05GF 16PC05DF 16PC05MF	48	50	52	26PCBFA3G 26PCBFA3D 26PCBFD3G	47	50	53
16PC15GF 16PC15DF 16PC15MF	98	100	102	26PCCFA3G 26PCCFA3D 26PCCFD3G	97	100	103
16PC30GF 16PC30DF 16PC30MF	78	80	82	26PCDFA3G 26PCDFA3D 26PCDFD3G	97	100	103

Not all combinations are established. Contact 800 number before final design. The following listings are typically stocked in small quantities.

### 26PC ORDER GUIDE

Catalog Listing
26PCBFA1D
26PCBFA1G 26PCCFA1D
26PCCFA1G
26PCDFA1D
26PCDFA1G

Unamplified

### ACCESSORIES SELECTION GUIDE

Catalog Number	Description
PC10182	Steel lockring (Included with Port Style A, 1 x 4 terminals only)
PC10949	Single hole plastic bracket (Must be separately ordered)

For application help: call 1-800-537-6945.

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