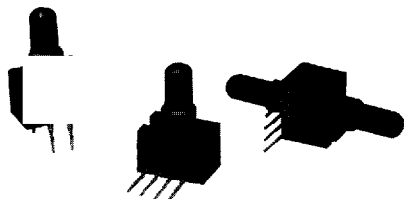


Pressure Sensors

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

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

DIFFERENTIAL SENSOR SELECTION GUIDE

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

ACCESSORIES SELECTION GUIDE

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

Unamplified

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

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