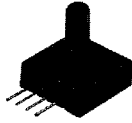


Pressure Sensors Gage/Unamplified

130PC Series

Basic Sensors



FEATURES

- Miniature package
- Can be used to measure with vacuum or positive pressure
- Absolute and gage sensors available

134PC SERIES PERFORMANCE CHARACTERISTICS at 10.0 ± 0.01 VDC Excitation, 25°C

| | Mln. | Typ. | Max. | Units |
|---|------|-------|------|------------------|
| Excitation | --- | 10 | 12 | VDC |
| Null Offset | -40 | 0 | +40 | mV |
| Null Shift, 25° to 0°, 25° to 50°C | --- | ±2.0 | ±4.0 | mV |
| Sensitivity Shift, 25° to 0°, 25° to 50°C | --- | ±6.5 | --- | %F.S.O. @ 10 VDC |
| Repeatability & Hysteresis | --- | ±0.15 | --- | %F.S.O. |
| Response Time | --- | --- | 1.0 | msec |
| Input Resistance | --- | 5.0 K | --- | ohms |
| Output Resistance | --- | 5.0 K | --- | ohms |
| Stability over One Year | --- | ±0.5 | --- | %F.S.O. |
| Weight | --- | 5 | --- | grams |

ENVIRONMENTAL SPECIFICATIONS

| | |
|-----------------------|--|
| Operating Temperature | -40° to +85°C (-40° to +185°F) |
| Storage Temperature | -55° to +125°C (-67° to +257°F) |
| Shock | MIL-STD-202, Method 213 (150 g, half sine, 11 msec) |
| Vibration | MIL-STD-202, Method 204 (10 to 2000 Hz at 20 g) |
| Media | P2 port Wetted materials: polyester housing, epoxy adhesive, silicon, borosilicate glass, and silicon-to-glass bond* P1 port Dry gases only |

* Liquid media containing some highly ionic solutions could potentially neutralize the chip-to-glass tube bond.

134PC 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. | |
|-----------------|--------------------|-----------------------------|-------|------|-------------------------|-----------------------|--------------------|--------------|
| | | Min. | Typ. | Max. | | | P2 > P1 Typ. | P1 > P2 Typ. |
| 134PC05G2 | 0-5 | 80 | 115 | 150 | 23 | 20 | ±0.10 | ±0.10 |
| 134PC15G2 | 0-15 | 175 | 250 | 325 | 16.67 | 45 | ±0.10 | ±0.10 |
| 134PC15G2L | 0-15 (L) | 58 | 99 | 140 | 6.60 | 60 | ±0.10 | ±0.10 |
| 134PC15G2L | 0-30 (0-15 L) | 110 | 195 | 280 | 6.5 | 60 | ±0.10 | ±0.10 |
| 134PC100G2 | 0-100 | 150 | 225 | 300 | 2.25 | 150 | ±0.5 | --- |
| 134PC150G2 | 0-150 | 90 | 127.5 | 165 | 0.85 | 225 | ±0.10 | --- |