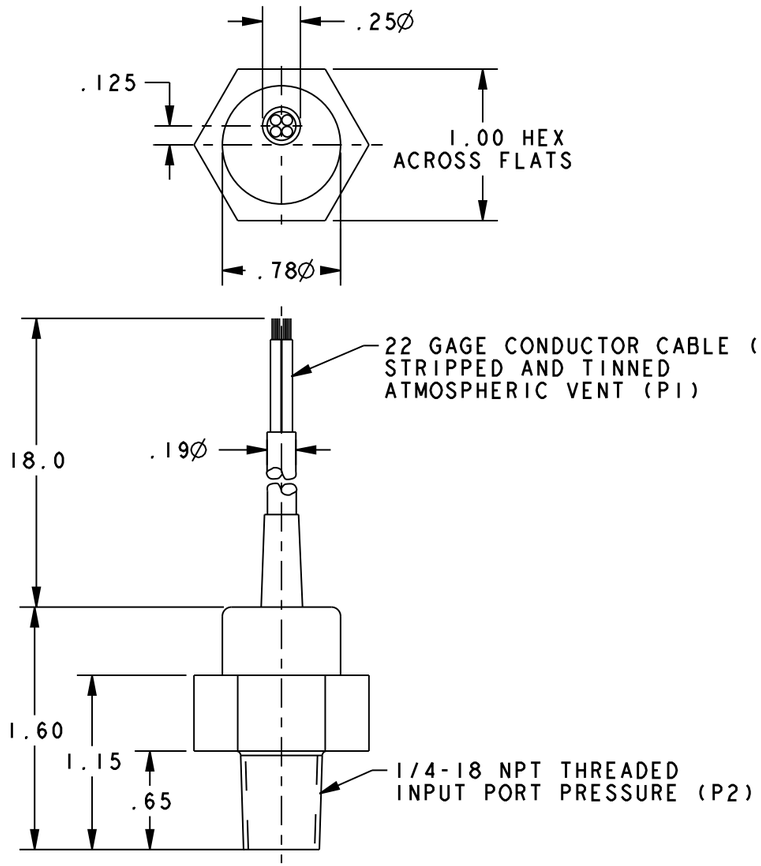
MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

# BRIDGE PRESSURE SENSOR

CATALOG LISTING
## 236PC SERIES CHART 2

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH

| CATALOG LISTING |
|---|
| Ⓑ |
| 236PC100GW |
| 236PC150GW |

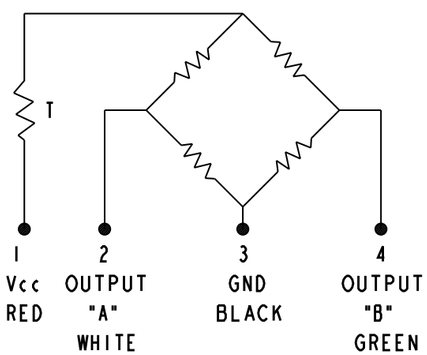



### GENERAL OPERATING CHARACTERISTICS
(ELECTRICAL PERFORMANCE AT 10.0 ±0.01 VDC EXCITATION, 25°C)

| PARAMETERS | PRESSURE RANGES (PSI) | MIN | TYP | MAX | UNITS |
|---|---|---|---|---|---|
| NULL OFFSET | ALL | -2 | 0 | +2 | MV |
| NULL SHIFT △2 0° < 25°C > 50° | | | ±3.0 | | |
| SPAN △1 | 0 TO 60G | 58 | 60 | 62 | |
| | 0 TO 100G | 98 | 100 | 102 | |
| | 0 TO 150G | 58 | 60 | 62 | |
| SENSITIVITY PER PSI | 0 TO 60G | | 1.00 | | MV/PSI |
| | 0 TO 100G | | 1.00 | | |
| | 0 TO 150G | | 1.00 | | |
| SENSITIVITY SHIFT △2 0° < 25°C > 50° AT 10 VDC | ALL | | ±1.5 | | % SPAN |
| LINEARITY (P2 > P1) (BFSL) | 0 TO 60G | | | ±0.50 | |
| | 0 TO 100G | | | ±0.50 | |
| | 0 TO 150G | | | ±0.50 | |
| REPEATABILITY & HYSTERISIS | ALL | | ±0.25 | | |
| STABILITY OVER 1 YEAR | | | ±1.5 | | |
| EXCITATION VOLTAGE | | | 10 | 16 | VDC |
| INPUT RESISTANCE | | | 6.8K | | OHMS |
| OVERPRESSURE (P2 > P1) | 0 TO 60G | | | 100 | PSI |
| | 0 TO 100G | | | 150 | |
| | 0 TO 150G | | | 225 | |
| TEMPERATURE | | | | | |
| STORAGE | ALL | -40° TO +105°C | (-40° TO +221°F) | | |
| OPERATE | | -30° TO +70°C | (-22° TO +158°F) | | |
| COMPENSATED | | 0° TO +50°C | (+32° TO +122°F) | | |

NOTES
△1 SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN END POINTS (OUTPUT AT MINIMUM AND MAXIMUM PRESSURE)
△2 TEMPERATURE ERROR IS CALCULATED WITH RESPECT TO 25°C AND EXPRESSES THE DEVIATION THAT COULD OCCUR AS TEMPERATURE IS RAISED OR LOWERED TO LIMITS INDICATED
3 PRESSURE MEDIUM CAN BE LIQUID OR GASEOUS, SO LONG AS IT DOES NOT REACT WITH SILICON, GLASS, 300 SERIES STAINLESS STEEL OR URETHANE BASED EPOXY

CIRCUIT DIAGRAM




OUTPUT "A" INCREASES AS INPUT PRESSURE INCREASES

OUPUT "B" DECREASES AS INPUT PRESSURE DECREASES

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

| | | |
|---|---|---|
| ONE PLACE | (.0) | ±.030 |
| TWO PLACE | (.00) | ±.015 |
| THREE PLACE | (.000) | ±.005 |
| ANGLES | | ± |

WEIGHT 2 OZ

ANSI Y14.5M-1982 APPLIES

CATALOG LISTING 236PC SERIES CHART 2 — PAGE 1 OF 1 — ISSUE 8 — RELEASE NO. PR-12997 — REPLACES -

REVISIONS

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A | 206541 | GLH 20CT02 | | | | | | | |
| B | 0063733 | NR 27APR10 | 27 APR 10 | RS | CHECK | 20CT02 | SAV | CHECK | 20CT02 |

PTC/CAD 2D — DRAWN GLH 20CT02