MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

BRIDGE PRESSURE SENSOR

CATALOG LISTING
236PC SERIES CHART 2

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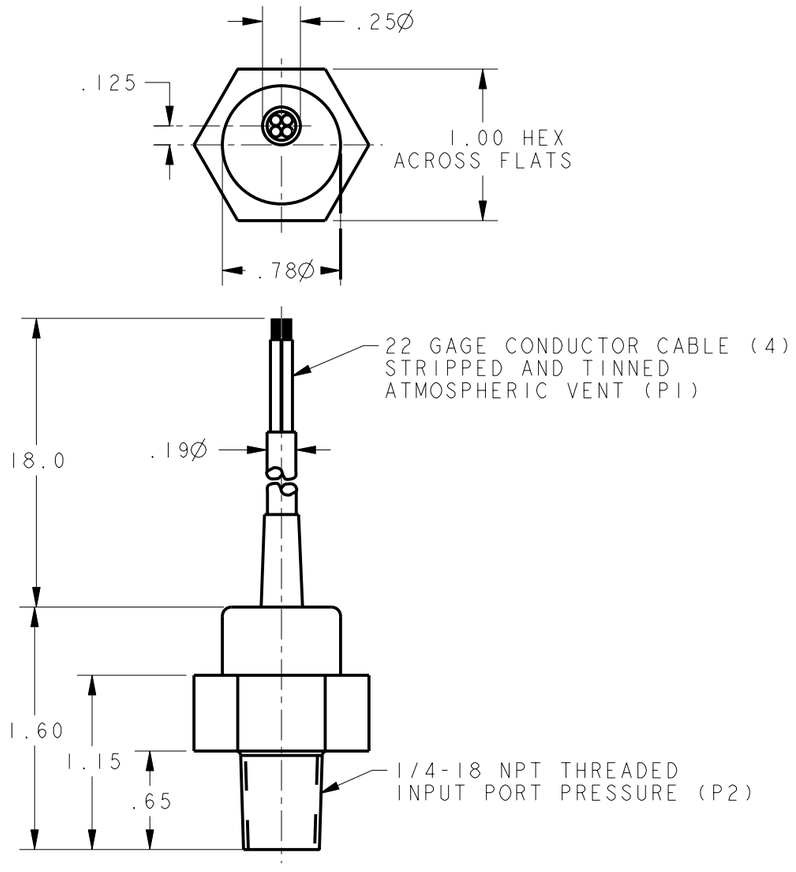
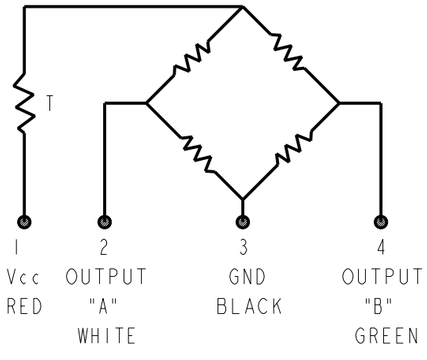
CATALOG LISTING
236PC60GW
236PC100GW
236PC150GW



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		
VOLTAGE EXCITATION			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)			

CIRCUIT DIAGRAM



OUTPUT "A" INCREASES AS INPUT PRESSURE INCREASES

OUPUT "B" DECREASES AS INPUT PRESSURE DECREASES

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

ANSI Y14.5M-1982 APPLIES

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

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REVISIONS
A	206541	GLH 20CT02

PTC/CAD	2D	
DRAWN	GLH	20CT02
CHECK		20CT02
CHECK		SAV
CHECK		20CT02