MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

BRIDGE PRESSURE SENSOR

CATALOG LISTING
236PC SERIES CHART 2

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CATALOG LISTING
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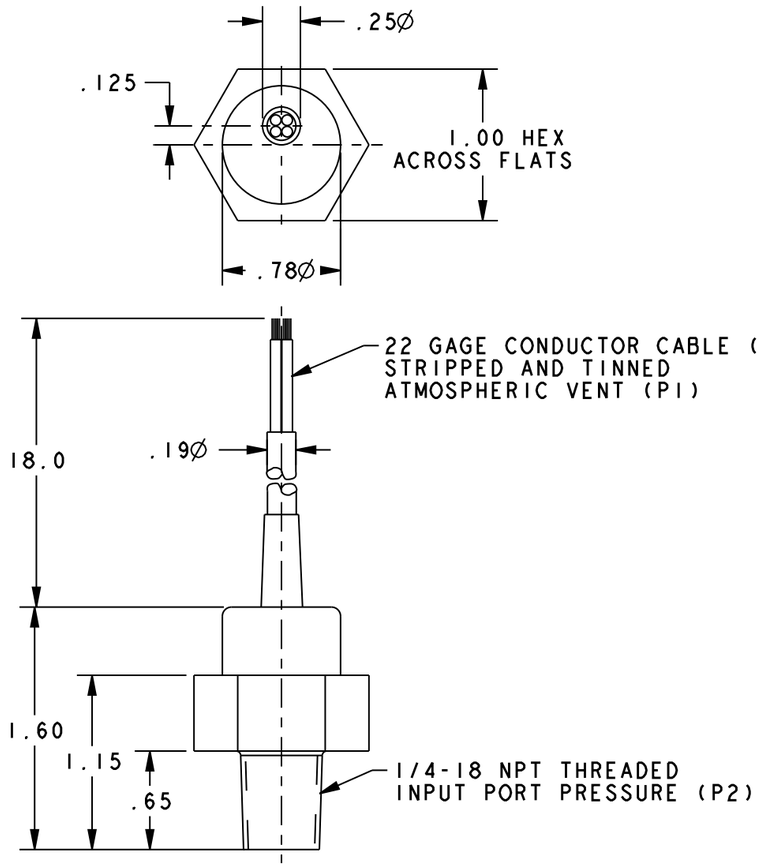
236PC100GW
236PC150GW

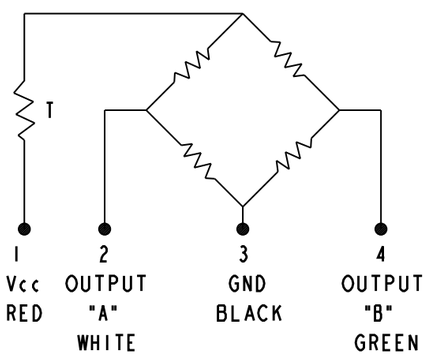


GENERAL OPERATING CHARACTERISTICS
(ELECTRICAL PERFORMANCE AT 10.0 ±0.01 VDC EXCITATION, 25°C)

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

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REVISIONS

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

PTC/CAD 2D — DRAWN GLH 20CT02