

CATALOG LISTING
236PC SERIES CHART 2

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REPLACES -

RELEASE NO. PR-12997

CHECK

20CT02

SAV

CHECK

20CT02

GLH

2D

PTC/CAD

DRAWN

ISSUE 7

REVISIONS

A 206541
GLH
20CT02

CHECK

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MICROSWITCH
a Honeywell Division
FED. MFG. CODE 91929

BRIDGE PRESSURE SENSOR

236PC SERIES CHART 2

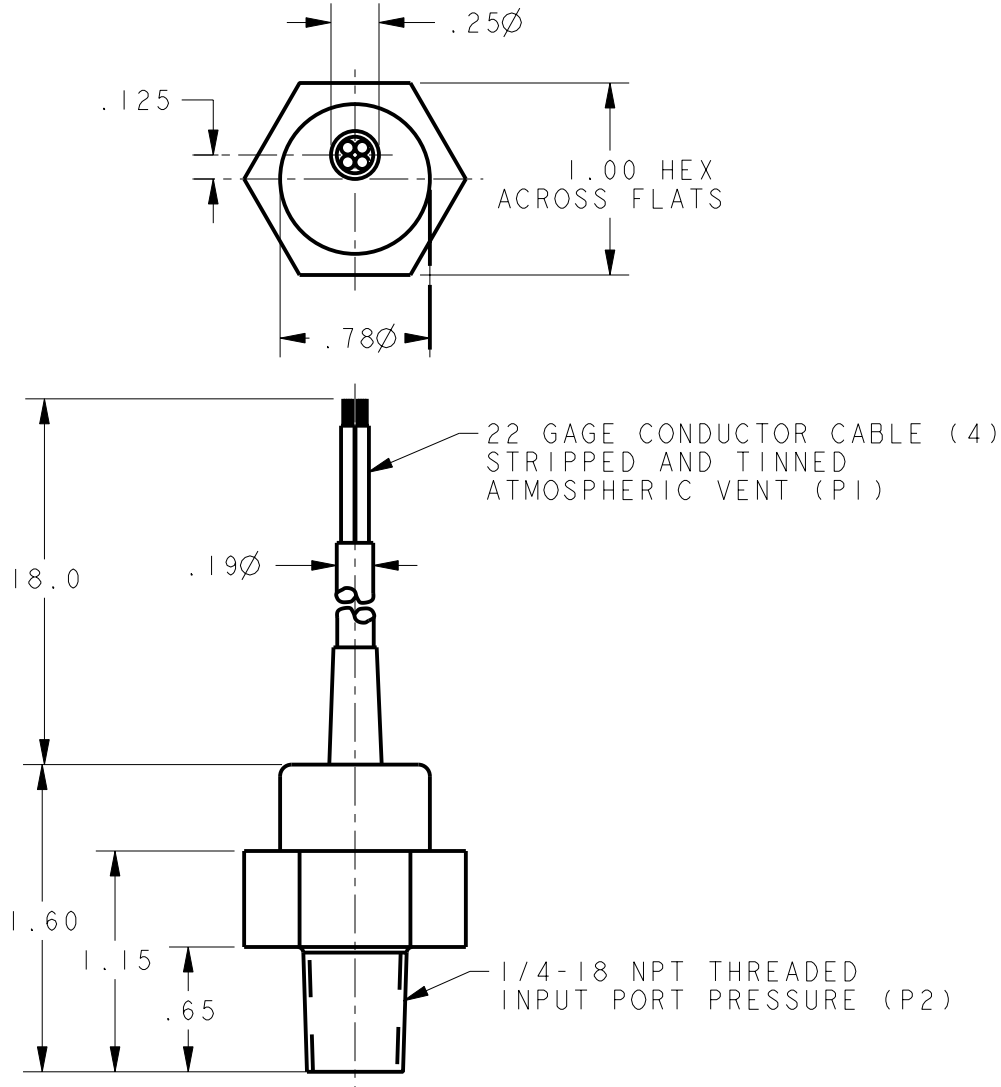
CATALOG LISTING

CATALOG LISTING
236PC60GW
236PC100GW
236PC150GW

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

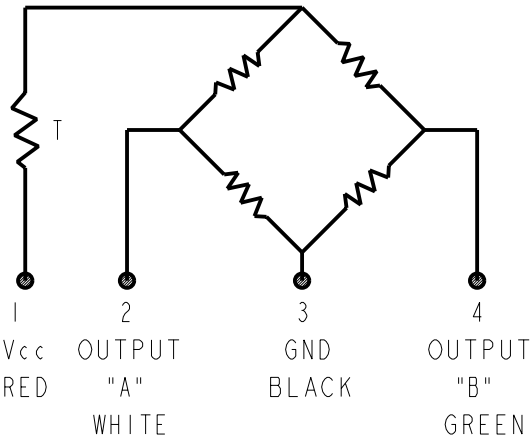
PARAMETERS	PRESSURE RANGES (PSI)	MIN	TYP	MAX	UNITS
NULL OFFSET	ALL	-2	0	+2	MV
NULL SHIFT $\triangle 2$ 0° < 25° C > 50°			±3.0		
SPAN $\triangle 1$	0 TO 60G	58	60	62	
	0 TO 100G	98	100	102	
	0 TO 150G	58	60	62	
SENSITIVITY PER PSI	0 TO 60G		1.00		MV/PSI
	0 TO 100G		1.00		
	0 TO 150G		1.00		
SENSITIVITY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



NOTES

- SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN END POINTS (OUTPUT AT MINIMUM AND MAXIMUM PRESSURE)
- 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
- 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

OUTPUT "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	2.0Z

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