

REV	DOCUMENT	CHANGED BY	CHECK
5	0033839	PRS 13SEP07	CMH

XSC

SERIES

DESIGNATES PRESSURE

L - LOW PRESSURE (IN H₂O)
- NO DESIGNATION (PSI)

PRESSURE RANGE

04, 10 IN H₂O
0.3, 01, 05, 15, 30,
60, 100, 150 PSI

ACCURACY GRADE

C - COMMERCIAL GRADE
H - HIGH GRADE

PORT OPTION

F - AXIAL (GAGE ONLY)
- NO PORT

PRESSURE REFERENCE

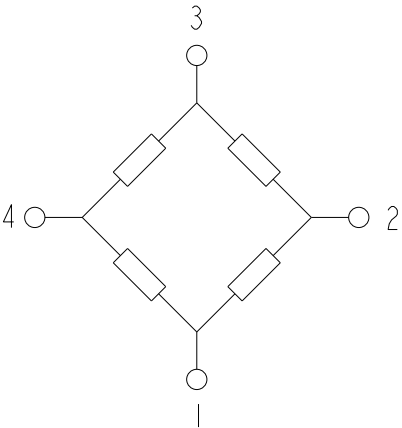
G - GAGE
D - DIFFERENTIAL

CATALOG LISTINGS

XSCL04DC
④
XSCL10DC
⑤
XSC01DH
④
④
XSC100DH
⑤

XSC G AND D STYLES (GAGE/DIFFERENTIAL)	PERFORMANCE AT 25°C AND 12±0.01 V _{dc} (UNLESS OTHERWISE STATED)									
	C-GRADE			H-GRADE			UNITS	FULL SCALE PRESSURE PSI	PROOF PRESSURE PSI	BURST PRESSURE PSI
	MIN	NOM	MAX	MIN	NOM	MAX				
OFFSET (0 IN H ₂ O)	-1	0	1	-0.5	0	+0.5	mV			
4 IN H ₂ O SPAN (P ₁ >P ₂)	23	25	27	N/A	N/A	N/A	mV	4 IN H ₂ O	3	5
10 IN H ₂ O SPAN (P ₁ >P ₂)	19	20	21	19.5	20	20.5	mV	10 IN H ₂ O	3	5
0.3 PSI SPAN (P ₁ >P ₂)	19	20	21	19.5	20	20.5	mV	0.3	3	5
1 PSI SPAN (P ₁ >P ₂)	17	18	19	17.8	18	18.2	mV	1	3	5
5 PSI SPAN (P ₁ >P ₂)	57	60	63	59	60	61	mV	5	15	25
15 PSI SPAN (P ₁ >P ₂)	85	90	95	89	90	91	mV	15	45	75
30 PSI SPAN (P ₁ >P ₂)	85	90	95	89	90	91	mV	30	90	150
60 PSI SPAN (P ₁ >P ₂)	85	90	95	89	90	91	mV	60	180	300
100 PSI SPAN (P ₁ >P ₂)	95	100	105	99	100	101	mV	100	250	400
150 PSI SPAN (P ₁ >P ₂)	85	90	95	89	90	91	mV	150	250	400
COMBINED LINEARITY AND HYSTERESIS ④	---	0.25	1	-0.5	---	0.5	%SPAN			
NULL SHIFT OVER TEMPERATURE (0-25, 25-70°C) ②③	-1	---	1	-0.5	---	0.5	mV			
SPAN SHIFT OVER TEMPERATURE (0-25, 25-70°C) ②③	-2	---	2	-1	---	1	%SPAN			

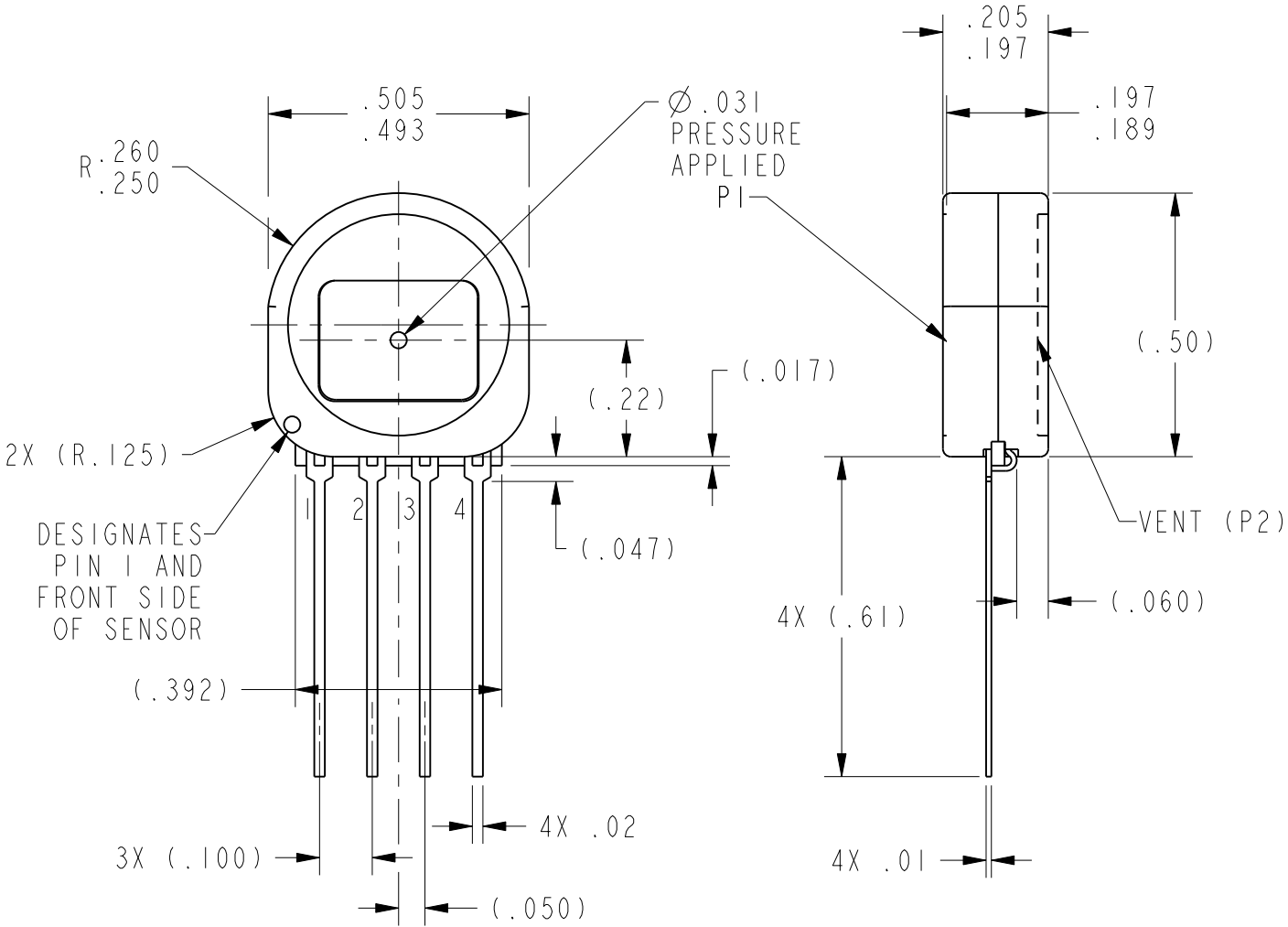
GENERAL OPERATING CHARACTERISTICS	ALL PRESSURES AND GRADES			
	MIN	NOM	MAX	UNITS
EXCITATION VOLTAGE	3	12	16	V _{dc}
INPUT RESISTANCE	5	---	---	K-OHMS
OUTPUT RESISTANCE	---	3	---	K-OHMS
OPERATING TEMPERATURE	-25	25	85	°C
STORAGE TEMPERATURE	-40	---	125	°C



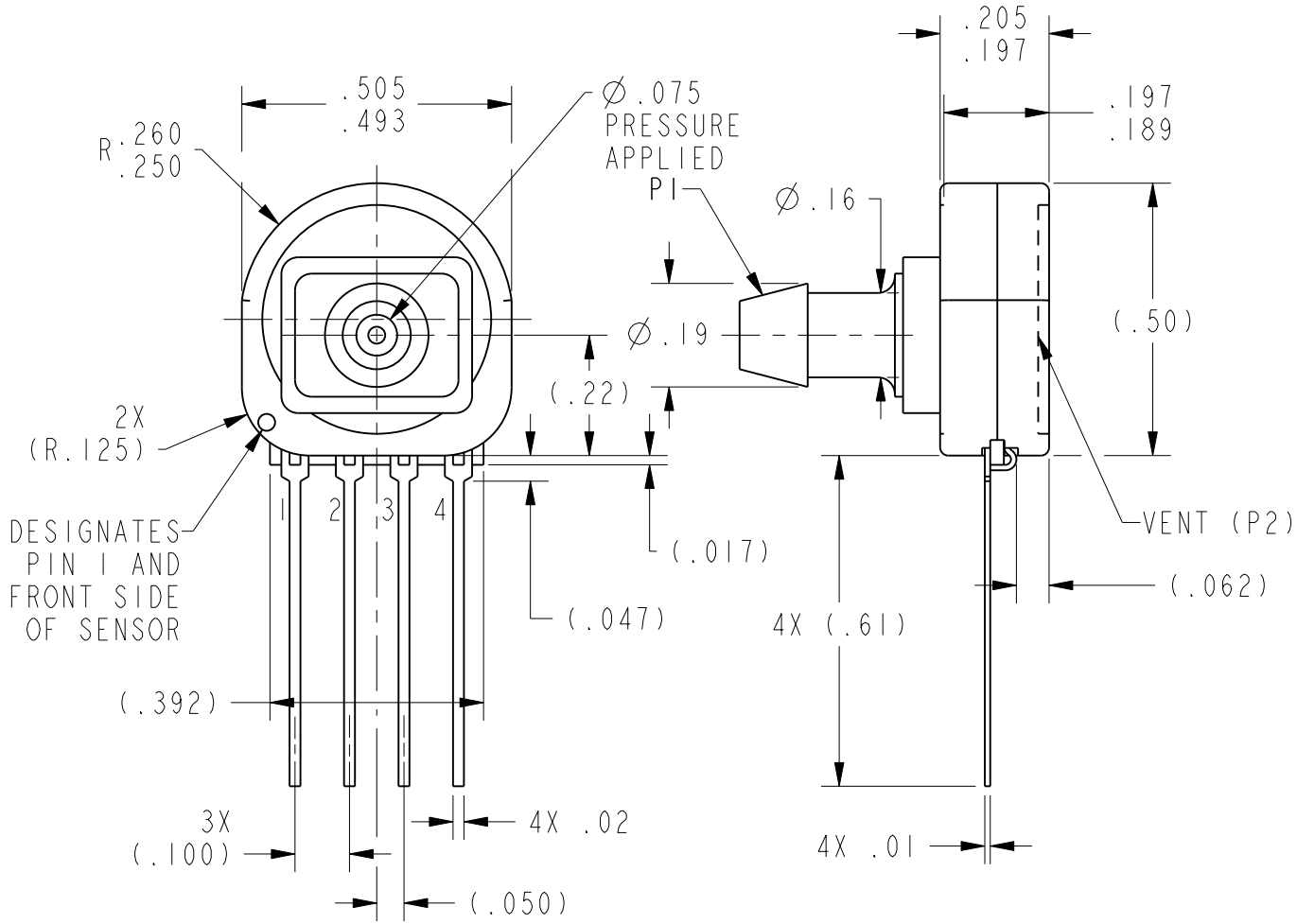
EQUIVALENT CIRCUIT

PIN OUT	
1	-V EXCITATION
2	+ OUTPUT SIGNAL
3	+ V EXCITATION
4	- OUTPUT SIGNAL

- NOTES
- 1 - SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUPUT AT FULL SCALE PRESSURE AND THE OFFSET OUTPUT
 - ② TEMPERATURE ERROR IS CALCULATED WITH RESPECT TO 25°C
 - ③ THE L04 LISTING HAS A TEMPERATURE SHIFT RANGE FROM 0°C TO 25°C AND 25°C TO 50°C
 - ④ LINEARITY IS MEASURED AT 1/2 FULL SCALE PRESSURE USING BEST STRAIGHT LINE FIT
 - 5 - THE OUTPUT OF THE SENSOR IS PROPORTIONAL, RATIOMETRIC, TO THE EXCITATION VOLTAGE. ALL SPECIFICATIONS WILL NOMINALLY BE CHANGED BY THE RATIO OF V_{EXCITATION}/12.0 V_{dc}
 - 6 - LIMIT SOLDERING TO 315°C FOR LESS THAN 10 SECONDS
 - 7 - POSITIVE PRESSURE APPLIED TO PORT 1 > PORT 2 RESULTS IN POSITIVE GOING OUTPUT
 - 8 - INPUT MEDIA RESTRICTED TO DRY GASES ONLY



D HOUSING



GF HOUSING

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: NO PLACE X ±.040 ±1 ONE PLACE .X ±.030 ±0,4 TWO PLACE .XX ±.015 ±0,15 THREE PLACE .XXX ±.005 ± ANGLES ± RAW MATERIAL-COMMERCIAL STANDARD			DRAWN	TRF	04APR01	Honeywell			
THIRD ANGLE PROJECTION			CHECK	SAV	04APR01				
DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED			THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.			TITLE PRESSURE SENSOR			
3D PTC			ASME Y14.5M-1994			SIZE C	DWG TYPE I	DRAWING NAME XSC G D SERIES CHART 1	REV 5