

REV	DOCUMENT	CHANGED BY	CHECK
1	202769	TRF 04APR01	SAV

XSC

DESIGNATES PRESSURE

- NO DESIGNATION (PSI)

PRESSURE RANGE

05, 15, 30,
60, 100, 150 PSIA

A

ACCURACY GRADE

C - COMMERCIAL GRADE
H - HIGH GRADE

PORT OPTION

F - AXIAL
- NO PORT

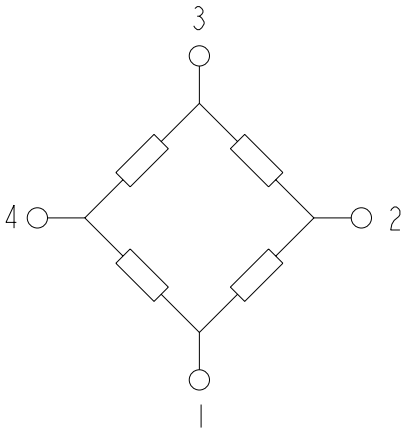
PRESSURE REFERENCE

A - ABSOLUTE

CATALOG LISTINGS
XSC15AFC
XSC30AFC

XSC A STYLE (ABSOLUTE)	PERFORMANCE AT 25°C AND 12±0.01 Vdc (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 PSIA)	-1	0	1				mV			
5 PSIA SPAN (P1>P2)	57	60	63				mV	5	15	25
15 PSIA SPAN (P1>P2)	85	90	95				mV	15	45	75
30 PSIA SPAN (P1>P2)	85	90	95				mV	30	90	150
60 PSIA SPAN (P1>P2)	85	90	95				mV	60	180	300
100 PSIA SPAN (P1>P2)	95	100	105				mV	100	250	400
150 PSIA SPAN (P1>P2)	85	90	95				mV	150	250	400
COMBINED LINEARITY AND HYSTERESIS	---	0.25	1				%SPAN			
NULL SHIFT OVER TEMPERATURE (0-25, 25-70°C)	-1	---	1				mV			
SPAN SHIFT OVER TEMPERATURE (0-25, 25-70°C)	-2	---	2				%SPAN			

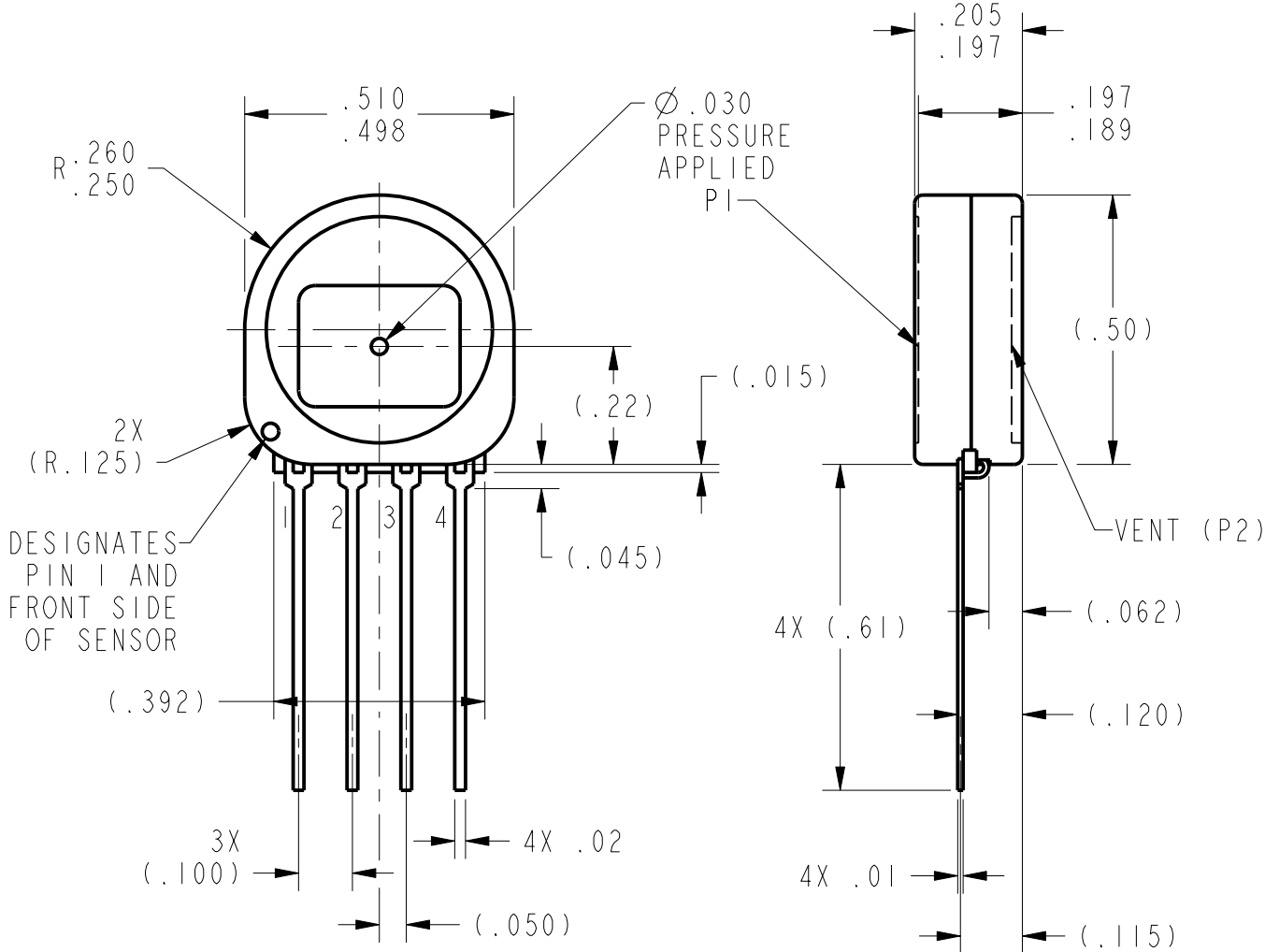
GENERAL OPERATING CHARACTERISTICS	ALL PRESSURES AND GRADES			
	MIN	NOM	MAX	UNITS
EXCITATION VOLTAGE	3	12	16	Vdc
INPUT RESISTANCE	5	---	---	K-OHMS
OUTPUT RESISTANCE	---	3	---	K-OHMS
OPERATING TEMPERATURE	-25	25	85	°C
STORAGE TEMPERATURE	-40	---	125	°C



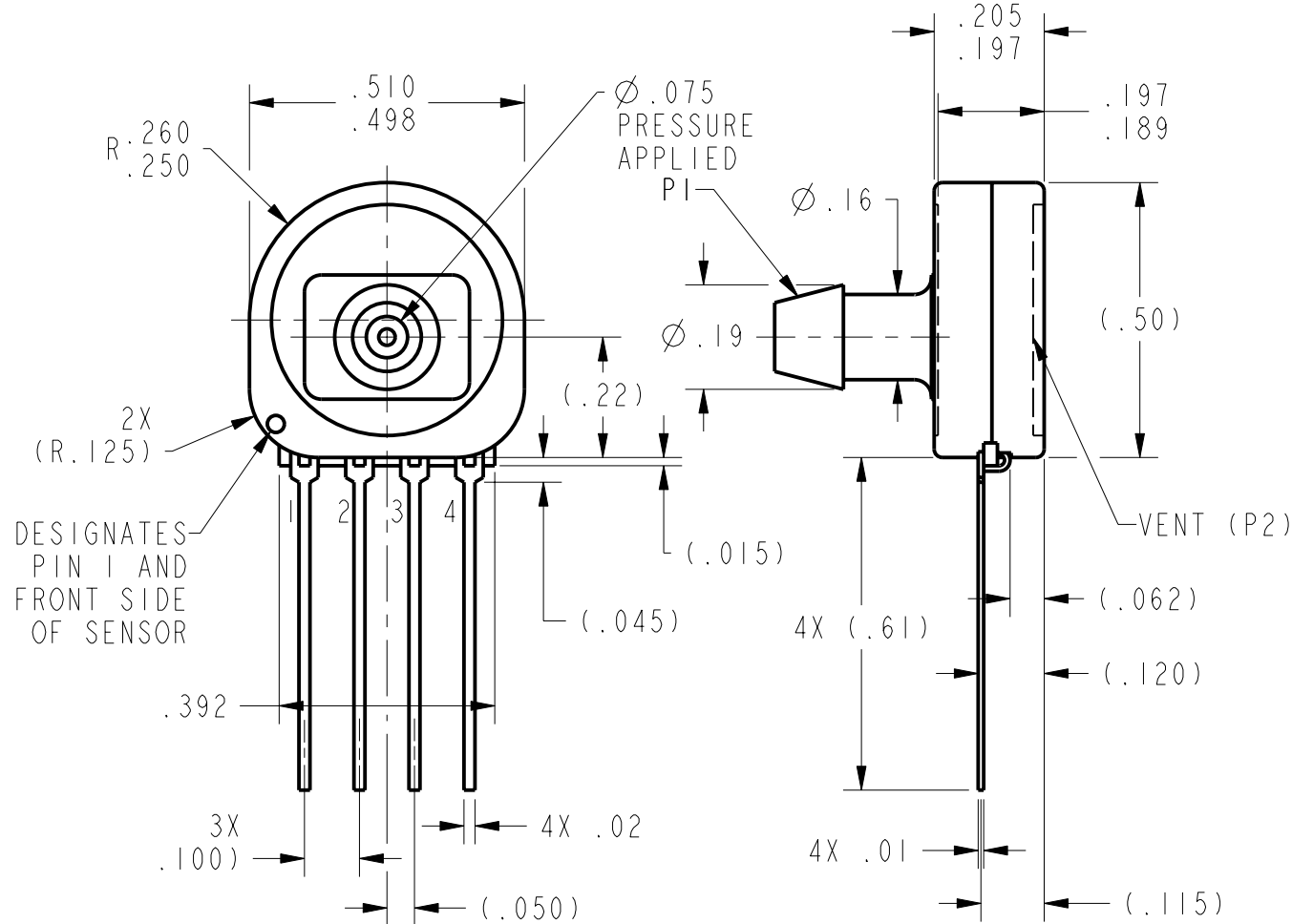
EQUIVALENT CIRCUIT

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

- NOTES
- OFFSET IS A CALCULATED VALUE AS FOLLOWS:
2 POINTS (0.5 PSIA AND FULL SCALE PRESSURE) ARE USED TO ESTABLISH THE LINE FROM WHICH THE OFFSET IS CALCULATED
- 2 - SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUPUT AT FULL SCALE PRESSURE AND THE OFFSET OUTPUT
- TEMPERATURE ERROR IS CALCULATED WITH RESPECT TO 25°C
- 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 $V_{EXCITATION}/12.0$ Vdc
- 6 - LIMIT SOLDERING TO 315°C FOR LESS THAN 10 SECONDS
- 7 - APPLYING PRESSURE TO PORT 1 RESULTS IN POSITIVE GOING OUTPUT
- 8 - P1 INPUT MEDIA RESTRICTED TO DRY GASES ONLY



A HOUSING



AF 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		☒ US (inch) CUSTOMARY	☐ SI (mm) METRIC	DRAWN	TRF	04APR01	Honeywell Sensing and Control		
				CHECK	SAV	04APR01			
THIRD ANGLE PROJECTION				THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL SENSING AND CONTROL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.			TITLE PRESSURE SENSOR		
				DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED			SIZE	DWG TYPE	DRAWING NAME
				3D PTC			C	I	XSC ABS SERIES CHART 1
				ASME Y14.5M-1994			SCALE	3:1	WEIGHT
							SHEET	1	OF 1