FO-52181-F

REV	DOCUMENT	CHANGED BY	CHECK
5	0033036	DDN 14AUG07	CMH

XPX

SERIES

DESIGNATES PRESSURE
- **L** - LOW PRESSURE (IN H_2O)
- NO DESIGNATION (PSI)

PRESSURE RANGE
- 04, 10 IN H_2O
- 0.3, 01, 05, 15, 30, 60, 100, 150 PSI

ACCURACY GRADE
- **C** - COMMERCIAL GRADE
- NO DESIGNATION COMMERCIAL GRADE

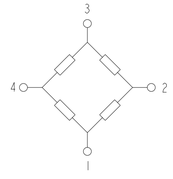
PORT OPTION
- **F** - AXIAL
- **T** - RADIAL
- **FS** - OFFSET AXIAL

PRESSURE REFERENCE
- **G** - GAGE
- **D** - DIFFERENTIAL

CATALOG LISTINGS
XPXL04DTC
5
XPXL10DT
5
5
XPX01D
5
XPX15DT
XPX15GFS
5
5
XPX30DT
XPX100D
XPX100DT
5
5
XPX100GFS
XPX150D

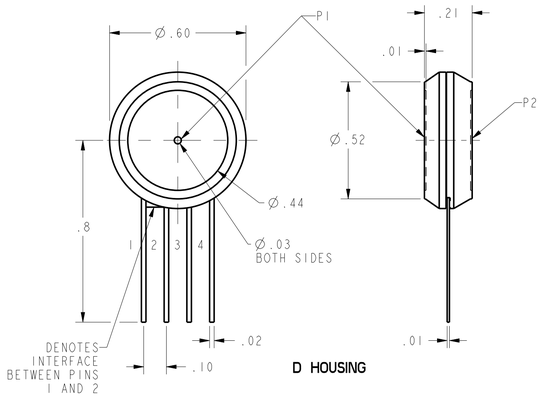
XPX/XPXL G AND D STYLE (GAGE/DIFFERENTIAL)	PERFORMANCE AT 25°C AND 5±0.01 Vdc (UNLESS OTHERWISE STATED)						
	C-GRADE			UNITS	FULL SCALE PRESSURE PSI	PROOF PRESSURE PSI	BURST PRESSURE PSI
	MIN	NOM	MAX				
OFFSET (FOR ALL LISTINGS)	-50	0	50	mV			
4 IN H_2O SPAN (P1>P2) (L04 LISTING)	50	68	86	mV	4 IN H_2O	3	5
10 IN H_2O SPAN (P1>P2) (L10 LISTING)	45	78.5	112	mV	10 IN H_2O	3	5
0.3 PSI SPAN (P1>P2)	37	65	93	mV	0.3	3	5
1 PSI SPAN (P1>P2)	40	75	110	mV	1	3	5
5 PSI SPAN (P1>P2)	112	168.5	225	mV	5	15	25
15 PSI SPAN (P1>P2)	168	253	338	mV	15	45	75
30 PSI SPAN (P1>P2)	168	253	338	mV	30	90	150
60 PSI SPAN (P1>P2)	189	263.5	338	mV	60	180	300
100 PSI SPAN (P1>P2)	210	295	380	mV	100	250	400
150 PSI SPAN (P1>P2)	187	262.5	338	mV	150	250	400
TEMPERATURE CHANGE BRIDGE RESISTANCE	---	2600	---	ppm/°C			
TEMPERATURE CHANGE SPAN	---	-1800	---	ppm/C°			
COMBINED LINEARITY AND HYSTERESIS (2)	---	---	1	% SPAN			

GENERAL OPERATING CHARACTERISTICS	ALL PRESSURES AND GRADES			
	MIN	NOM	MAX	UNITS
EXCITATION VOLTAGE	---	5	12	Vdc
INPUT RESISTANCE	---	3000	---	OHMS
OUTPUT RESISTANCE	---	3000	---	OHMS
OPERATING TEMPERATURE	-25	25	85	°C
STORAGE TEMPERATURE	-40	---	125	°C

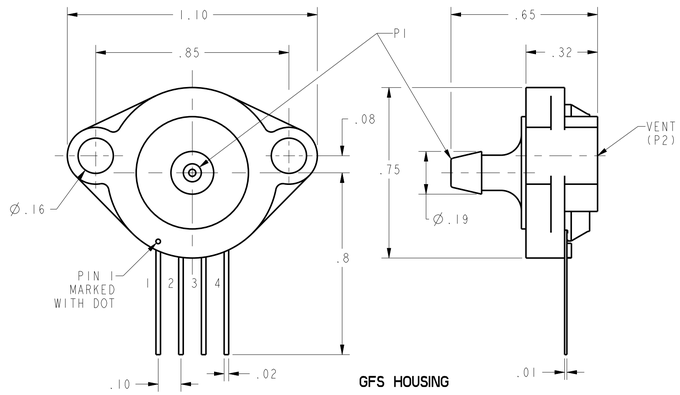


EQUIVALENT CIRCUIT

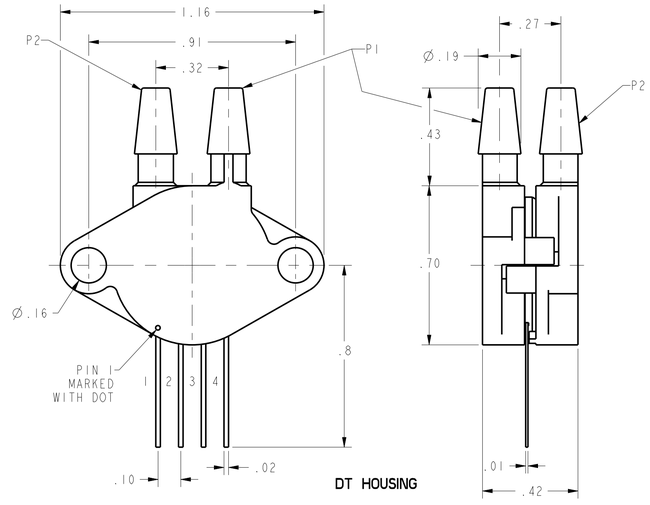
PIN OUT	
1	-V EXCITATION
2	+ OUTPUT SIGNAL
3	+ V EXCITATION
4	- OUTPUT SIGNAL



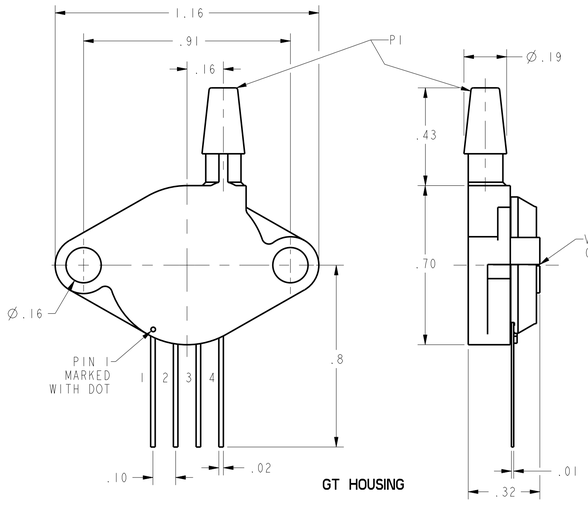
D HOUSING



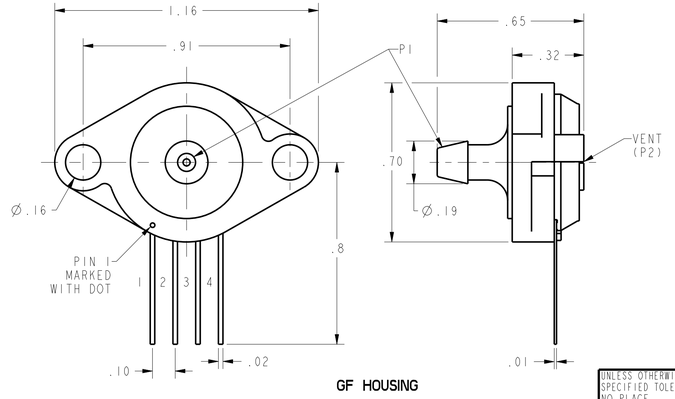
GFS HOUSING



DT HOUSING



GT HOUSING



GF HOUSING

NOTES
1 - SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUPUT AT FULL SCALE PRESSURE AND THE OFFSET OUTPUT
(2) LINEARITY IS MEASURED AT 1/2 FULL SCALE PRESSURE USING BEST STRAIGHT LINE FIT
3 - THE OUTPUT OF THE SENSOR IS PROPORTIONAL, RATIOMETRIC, TO THE EXCITATION VOLTAGE. ALL SPECIFICATIONS WILL NOMINALLY BE CHANGED BY THE RATIO OF $V_{EXCITATION}$/5.0 Vdc
4 - LIMIT SOLDERING TO 315°C FOR LESS THAN 10 SECONDS
5 - PIN 1 IS IDENTIFIED BY THE DOT ON THE HOUSING OR BY THE BRIDGING TAB BETWEEN TERMINALS 1 AND 2
6 - APPLY PRESSURE TO PORT INDICATED ON THE DRAWINGS SHOWN
7 - SENSORS ARE OPERATIONAL OVER VACUUM PRESSURE RANGE
8 - P1 INPUT MEDIA RESTRICTED TO DRY GASES ONLY
9 - P2 INPUT MEDIA RESTRICTED TO MEDIA COMPATIBLE WITH NYLON, EPOXY ADHESIVE AND SILICON

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: [X] INCH [ ] MM

		INCH	MM
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

THIRD ANGLE PROJECTION

DRAWN	TSM	29MAR01
CHECK	SAV	29MAR01

DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED

PTC 3D | ASME Y14.5M-1994

Honeywell

TITLE: PRESSURE SENSOR

SIZE	DWG TYPE	DRAWING NAME	REV
D	M	XPX GAGE DIF SERIES CHART 1	5

SCALE 3:1 | WEIGHT | SHEET 1 OF 1