

SERIES
MOTOROLA HOUSING COMPENSATED AND CALIBRATED (mV)

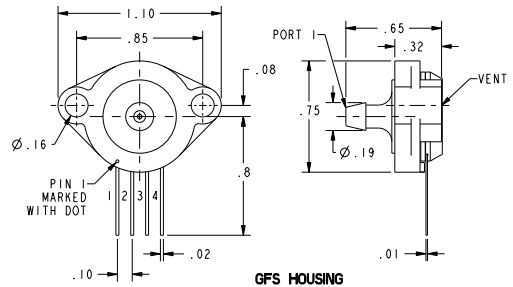
ACCURACY GRADE
C - COMMERCIAL GRADE
H - HIGH GRADE

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

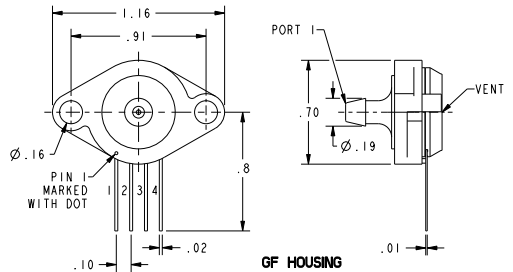
PRESSURE RANGE
0.3, 01, 05, 15, 30, 60, 100, 150 PSI

PRESSURE REFERENCE
G - GAGE

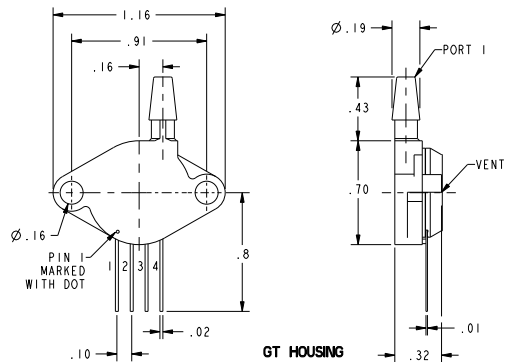
CATALOG LISTINGS	
XPC0.3GFSH	XPC30GFSH
(7)	(7)
XPC01GFSH	XPC01GTC
XPC01GTC	(8)
XPC01GTH	(7)
(1)	XPC100GFH
XPC15GFH	XPC100GTC
XPC05GTH	(8)
(7)	(7)
XPC15GTC	XPC150GTC
XPC30GFC	XPC150GTH
(8)	XPC60GTC
XPC30GFH	SCDA102-XPC01GTH



GFS HOUSING



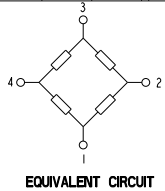
GF HOUSING



GT HOUSING

G STYLE (GAGE)	PERFORMANCE AT 25°C AND 12±0.01 VDC (UNLESS OTHERWISE STATED)									
	C-GRADE			H-GRADE			UNITS	PROOF PRESSURE PSIG	BURST PRESSURE PSIG	FULL SCALE PRESSURE PSI
	MIN	NOM	MAX	MIN	NOM	MAX				
NULL OFFSET (0 PSIG), ALL LISTINGS	---	0	±1	---	0	±.5	mV	3	5	
SPAN 0.3 PSIG (PI>VENT)	19	20	21	19.5	20	20.5	mV	3	5	
SPAN 1 PSIG (PI>VENT)	17	18	19	17.5	18	18.5	mV	3	5	
SPAN 5 PSIG (PI>VENT)	57	60	63	59	60	61	mV	15	25	
SPAN 120cm H ₂ O (SCDA102) (PI>VENT)				30	30.5	31	mV	3	5	1.707
SPAN 15 PSIG (PI>VENT)	85	90	95	89	90	91	mV	45	75	
SPAN 30 PSIG (PI>VENT)	85	90	95	89	90	91	mV	90	150	
SPAN 60 PSIG (PI>VENT)	85	90	95	89	90	91	mV	180	300	
SPAN 100 PSIG (PI>VENT)	95	100	105	99	100	101	mV	250	400	
SPAN 150 PSIG (PI>VENT)	85	90	95	89	90	91	mV	250	400	
COMBINED LINEARITY AND HYSTERESIS (Δ)	---	0.25	1	---	0.25	0.5	%FS			
NULL SHIFT OVER TEMPERATURE (0-25, 25-70 °C)	---	---	±1	---	---	±.5	mV			
SPAN SHIFT OVER TEMPERATURE (0-25, 25-70 °C)	---	---	±2	---	---	±1	%FS			

GENERAL OPERATING CHARACTERISTICS	ALL PRESSURES AND GRADES			UNITS
	MIN	NOM	MAX	
EXCITATION VOLTAGE	3	12	16	VDC
SUPPLY CURRENT	---	---	3.5	mA
INPUT RESISTANCE	5	---	---	KΩ
OUTPUT RESISTANCE	---	3	---	KΩ
OPERATING TEMPERATURE	-25	---	85	°C
STORAGE TEMPERATURE	-40	---	125	°C



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

- NOTES
- SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUTPUT AT MAXIMUM RATED OPERATING PRESSURE AND THE OUTPUT AT 0 PSIG
 - TEMPERATURE ERROR IS CALCULATED WITH RESPECT TO 25°C
 - LINEARITY IS MEASURED AT 1/2 FULL SCALE PRESSURE USING BEST STRAIGHT LINE FIT
 - THE OUTPUT OF THE SENSOR IS PROPORTIONAL, RATIO-METRIC, TO THE EXCITATION VOLTAGE. THE EXCITATION MAY VARY BETWEEN 3 TO 16 VDC. ALL SPECIFICATIONS WILL NOMINALLY BE CHANGED BY THE RATIO OF $V_{EXCITATION}/12.0$ VDC
 - LIMIT SOLDERING TO 315°C FOR LESS THAN 10 SECONDS
 - THE DOT ON THE HOUSING IDENTIFIES TERMINAL NO. 1
 - APPLYING POSITIVE PRESSURE TO PORT NO. 1 RESULTS IN POSITIVE GOING OUTPUT
 - SENSORS ARE OPERATIONAL OVER VACUUM PRESSURE RANGE
 - INPUT MEDIA RESTRICTED TO DRY GASES ONLY

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	FRAC	DECIMAL	ANGLE	POSITION	ASME
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	16NOV00
CHECK	SAV	16NOV00

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DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED

3D PTC ASME Y14.5M-1994

Honeywell	
TITLE	
PRESSURE SENSOR-	
SIZE DWG TYPE	DRAWING NAME
C I	XPC GAGE SERIES CHART 1 8
SCALE	2:1
WEIGHT	SHEET 1 OF 1