

REV	DOCUMENT	CHANGED BY	CHECK
8	0032662	DDN 31JUL07	CMH

SERIES **CPC**

DESIGNATES PRESSURE

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

PRESSURE RANGE

04, 10 IN H₂O
0.3, 01, 05, 15, 30 PSI

ACCURACY GRADE

C - COMMERCIAL GRADE
H - HIGH GRADE

PORT OPTION

F - AXIAL
- MODULAR

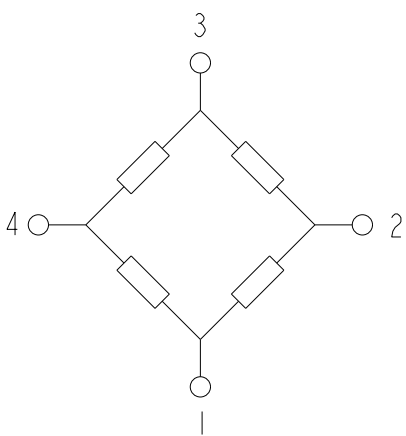
PRESSURE REFERENCE

D - DIFFERENTIAL

CATALOG LISTINGS
CPCL04DFC
CPCL10DFC
CPC0.3DFC
CPC01DFC
CPC05DFC
CPC15DFC
CPC30DFC
CPCL04DC
CPC0.3DFH
⑦
CPC150DFC
CPC01DFH
CPC60DFC

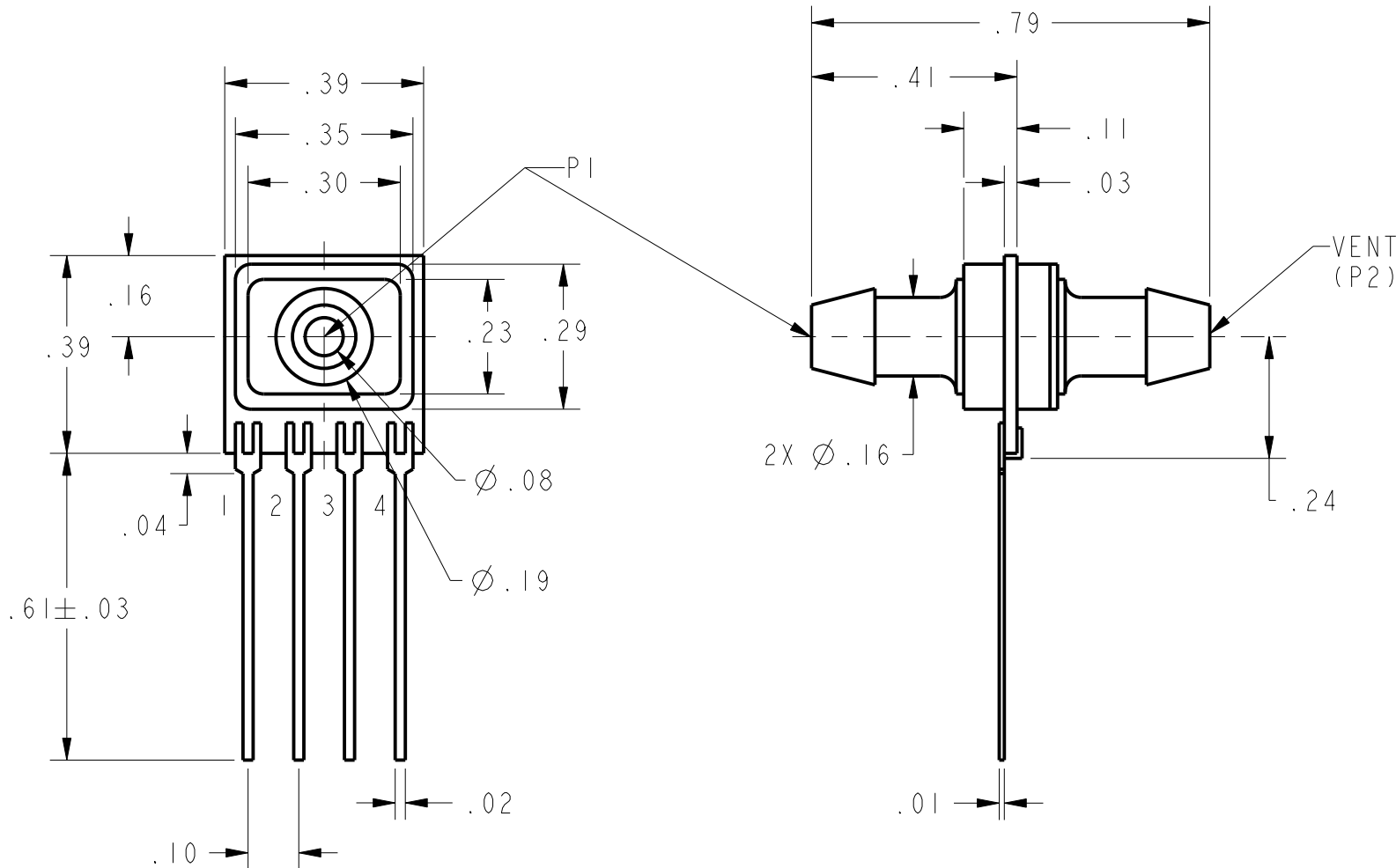
D - STYLE (DIFF)	PERFORMANCE AT 25°C AND 12±0.01 V _{dc} (UNLESS OTHERWISE STATED)								
	C-GRADE			H- GRADE			UNITS	FULL SCALE PRESSURE PSI	OVER PRESSURE PSI
	MIN	NOM	MAX	MIN	NOM	MAX			
NULL OFFSET (0 PSIG) (L04 LISTING)	-2	0	2	N/A	N/A	N/A	mV		
NULL OFFSET (0 PSIG), ALL LISTINGS EXCEPT L04	-1	0	1	-0.5	0	0.5	mV		
4 IN H ₂ O (P1>P2) (L04 LISTING)	23	25	27	N/A	N/A	N/A	mV _{dc}	4 IN H ₂ O	3
4 IN H ₂ O (P1>P2) (SCDA121 CPCL04GFC)	23	25	27	N/A	N/A	N/A	mV _{dc}	4 IN H ₂ O	5
10 IN H ₂ O (P1>P2) (L10 LISTING)	19	20	21	19.5	20	20.5	mV _{dc}	10 IN H ₂ O	5
0.3 PSI SPAN (P1>P2)	19	20	21	19.5	20	20.5	mV _{dc}	0.3	5
1 PSI SPAN (P1>P2)	17	18	19	17.8	18	18.2	mV _{dc}	1	5
5 PSI SPAN (P1>P2)	57	60	63	59	60	61	mV _{dc}	5	15
15 PSI SPAN (P1>P2)	85	90	95	89	90	91	mV _{dc}	15	45
30 PSI SPAN (P1>P2)	85	90	95	89	90	91	mV _{dc}	30	90
60 PSI SPAN (P1>P2)	85	90	95	89	90	91	mV _{dc}	60	180
100 PSI SPAN (P1>P2)	95	100	105	99	100	101	mV _{dc}	100	250
150 PSI SPAN (P1>P2)	85	90	95	89	90	91	mV _{dc}	150	250
NULL SHIFT OVER TEMPERATURE (0-25, 25-70 °C)  	---	---	±1	---	---	±.5	mV		
SPAN SHIFT OVER TEMPERATURE (0-25, 25-70 °C)  	---	---	±2	---	---	±.1	% SPAN		
COMBINED LINEARITY AND HYSTERESIS 	---	0.25	1	---	0.25	0.5	% SPAN		

GENERAL OPERATING CHARACTERISTICS	ALL PRESSURES			UNITS
	MIN	NOM	MAX	
EXCITATION VOLTAGE	3	12	16	V _{dc}
SUPPLY CURRENT	---	---	3.5	mA
INPUT RESISTANCE	5	---	---	K-OHMS
OUTPUT RESISTANCE	---	3	---	K-OHMS
OPERATING TEMPERATURE	-25	---	85	°C
STORAGE TEMPERATURE	-40	---	125	°C

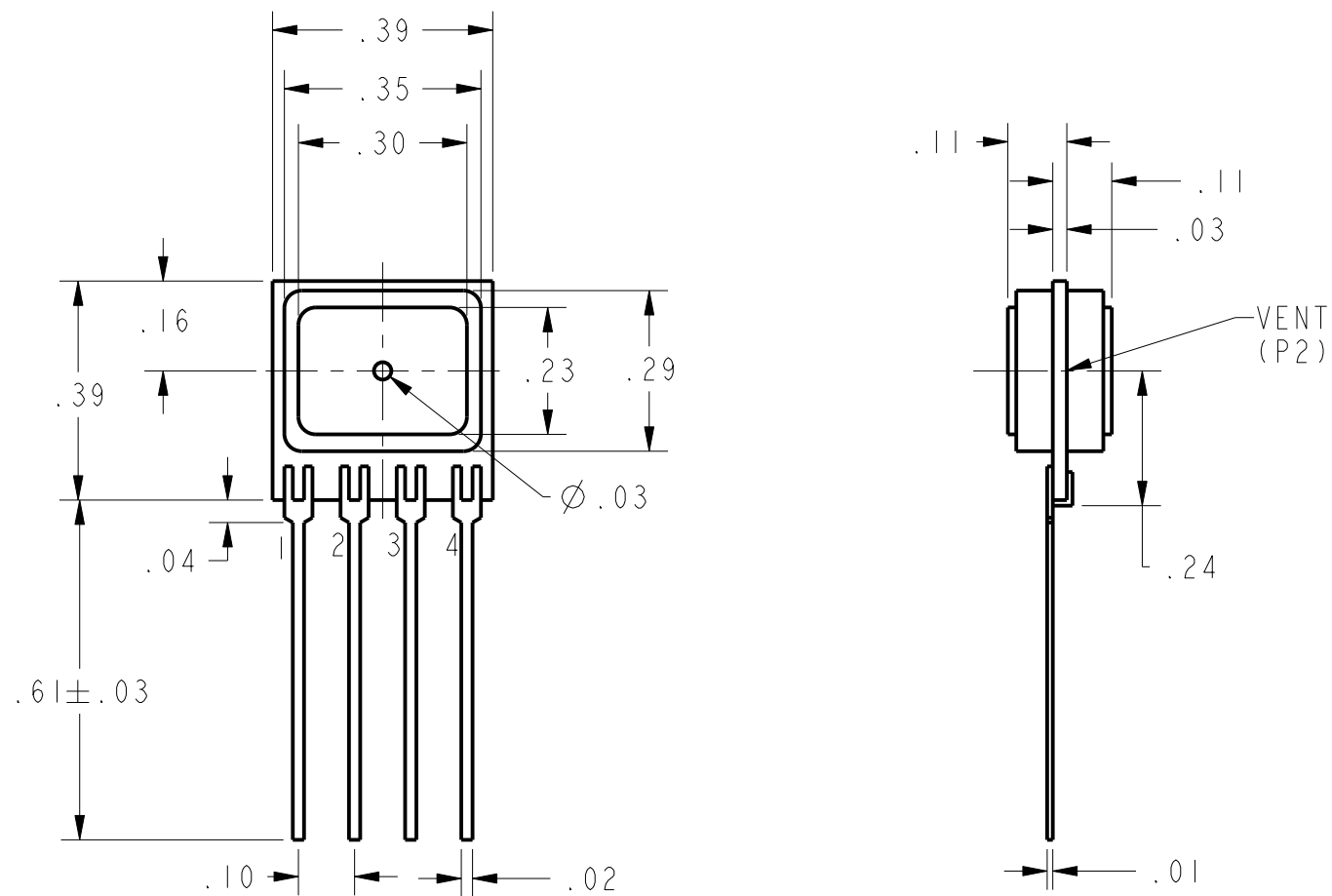


EQUIVALENT CIRCUIT

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



DF HOUSING



D HOUSING

NOTES

- 1 - 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
- 4 - THE OUTPUT OF THE SENSOR IS PROPORTIONAL, RATIOMETRIC, TO THE EXCITATION VOLTAGE. THE EXCITATION MAY VARY BETWEEN 3 TO 16 V_{dc}. ALL SPECIFICATIONS WILL NOMINALLY BE CHANGED BY THE RATIO OF V_{EXCITATION}/12.0 V_{dc}
- 5 - LIMIT SOLDERING TO 315°C FOR LESS THAN 10 SECONDS
- 6 - PIN 1 IS IDENTIFIED BY THE DOT ON THE HOUSING AS SHOWN ON THE VARIOUS DRAWINGS
- 7 - APPLY PRESSURE TO PORT INDICATED ON THE DRAWINGS SHOWN
- 8 - SENSORS ARE OPERATIONAL OVER VACUUM PRESSURE RANGE
- 9 - INPUT MEDIA RESTRICTED TO DRY GASES ONLY
-  THE L04 LISTING HAS A TEMPERATURE SHIFT RANGE FROM 0 TO 25°C AND 25 TO 50°C

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			☒ US (inch) CUSTOMARY	☐ SI (mm) METRIC	DRAWN	TSM	6FEB03	Honeywell						
NO PLACE .X ±.040 ±1						CHECK	CMH					6FEB03		
ONE PLACE .X ±.030 ±0.4						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					
TWO PLACE .XX ±.015 ±0.15									PRESSURE SENSOR					
THREE PLACE .XXX ±.005 ±									SIZE DWG TYPE DRAWING NAME REV					
ANGLES ±									C I CPC DIFF SERIES CHART 1 8					
RAW MATERIAL-COMMERCIAL STANDARD						DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED								
THIRD ANGLE PROJECTION						3D PTC ASME Y14.5M-1994			SCALE 3:1		WEIGHT		SHEET 1 OF 1	
														