

REV	DOCUMENT	CHANGED BY	CHECK
14	0038162	BS 24MAR08	ASD

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

CPC

G

ACCURACY GRADE

C - COMMERCIAL GRADE
H - HIGH GRADE

PORT OPTION

F - AXIAL
- NO PORT/O-RING SEAL

PRESSURE REFERENCE

G - GAGE

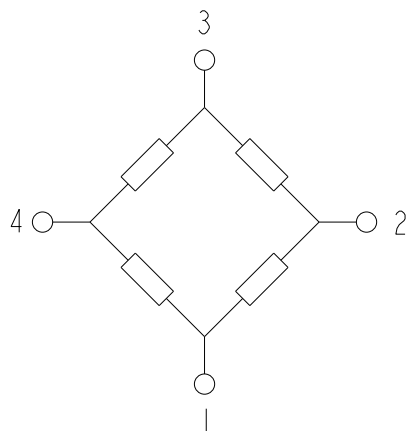
CATALOG LISTINGS

CPCL04GC	CPC15GFC
CPCL04GFC	CPC15GFH
CPCL10GFC	⑨
CPCL10GFH	CPC30GFC
CPCL10GH	CPC30GFH
⑪	CPC60GFH
CPC0.3GFC	⑨
CPC0.3GFH	CPC60GFC
CPC01GFC	CPC100GFH
CPC01GFH	CPC100GC
CPC01GH	CPC100GFC
CPC05GC	CPC150GFC
CPC05GFC	CPC150GFH
CPC05GFH	SCDA121 CPCL04GFC
CPC05GH	

Technical drawings of the G and GF housings. The G housing drawing shows a top view with dimensions: .39, .35, .30, .16, .39, .04, .61±.03, .10, .02, .11, .03, .23, .29, .03, .24, .01. It also shows a side view with dimensions: .11, .03, .24, .01. The GF housing drawing shows a top view with dimensions: .39, .35, .30, .16, .39, .04, .61±.03, .10, .02, .11, .03, .23, .29, .08, .19, .02, .01. It also shows a side view with dimensions: .41, .11, .03, .24, .01.

G - STYLE (GAGE)	PERFORMANCE AT 25°C AND 12±0.01 Vdc (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 (PI>P2) (L04 LISTING)	23	25	27	N/A	N/A	N/A	mVdc	4 IN H ₂ O	3	
4 IN H ₂ O (PI>P2) (SCDA121 CPCL04GFC)	23	25	27	N/A	N/A	N/A	mVdc	4 IN H ₂ O	5	
10 IN H ₂ O (PI>P2) (L10 LISTING)	19	20	21	19.5	20	20.5	mVdc	10 IN H ₂ O	5	
0.3 PSI SPAN (PI>P2)	19	20	21	19.5	20	20.5	mVdc	0.3	5	
1 PSI SPAN (PI>P2)	17	18	19	17.5	18	18.5	mVdc	1	5	
5 PSI SPAN (PI>P2)	57	60	63	59	60	61	mVdc	5	15	
15 PSI SPAN (PI>P2)	85	90	95	89	90	91	mVdc	15	45	
30 PSI SPAN (PI>P2)	85	90	95	89	90	91	mVdc	30	90	
60 PSI SPAN (PI>P2)	85	90	95	89	90	91	mVdc	60	180	
100 PSI SPAN (PI>P2)	95	100	105	99	100	101	mVdc	100	250	
150 PSI SPAN (PI>P2)	85	90	95	89	90	91	mVdc	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 AND GRADES			UNITS
	MIN	NOM	MAX	
EXCITATION VOLTAGE	3	12	16	Vdc
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



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

EQUIVALENT CIRCUIT

Technical drawing of the GF housing. The top view shows dimensions: .39, .35, .30, .16, .39, .04, .61±.03, .10, .02, .11, .03, .23, .29, .08, .19, .02, .01. The side view shows dimensions: .41, .11, .03, .24, .01.

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 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 Vdc. ALL SPECIFICATIONS WILL NOMINALLY BE CHANGED BY THE RATIO OF V_{EXCITATION}/12.0 Vdc

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

⑩ THE L04 LISTING HAS A TEMPERATURE SHIFT RANGE FROM 0 TO 25°C AND 25 TO 50°C

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			

THIRD ANGLE PROJECTION

DRAWN

TRF

02APR01

CHECK

SAV

02APR01

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DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED

3D PTC

ASME Y14.5M-1994

Honeywell

PRESSURE SENSOR

SIZE DWG TYPE DRAWING NAME REV

C I CPC GAGE SERIES CHART 1 14

SCALE 3:1 WEIGHT SHEET 1 OF 1

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