

| REV | DOCUMENT | CHANGED BY | CHECK |
|-----|----------|------------|-------|
| 14  | 0038162  | BS 24MAR08 | ASD   |

**SERIES** **CPC**

**DESIGNATES PRESSURE**

**L** - LOW PRESSURE (IN H<sub>2</sub>O)  
- NO DESIGNATION (PSI)

**PRESSURE RANGE**

**04, 10** IN H<sub>2</sub>O  
**0.3, 01, 05, 15, 30,**  
**60, 100, 150** PSI

**ACCURACY GRADE**

**C** - COMMERCIAL GRADE  
**H** - HIGH GRADE

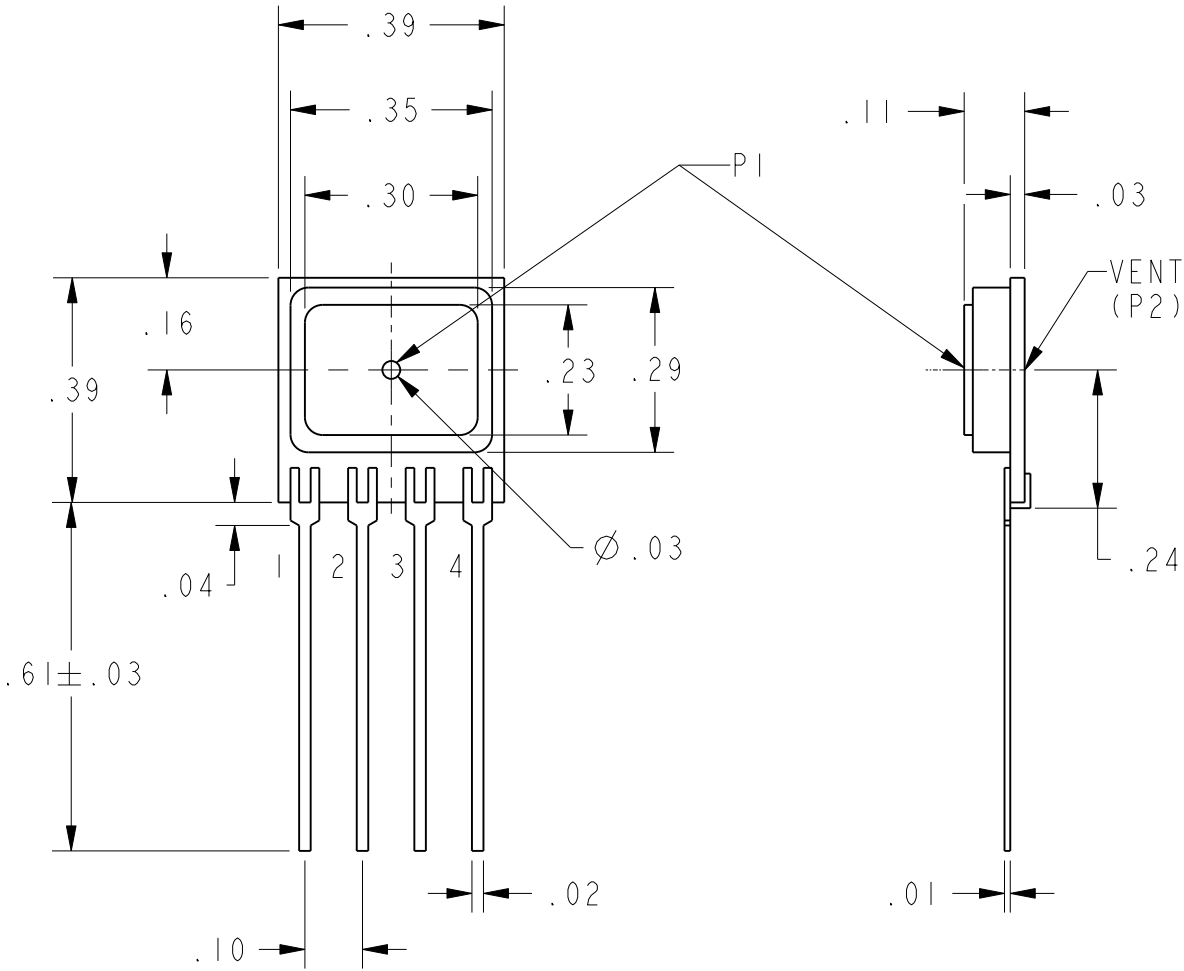
**PORT OPTION**

**F** - AXIAL  
- NO PORT/O-RING SEAL

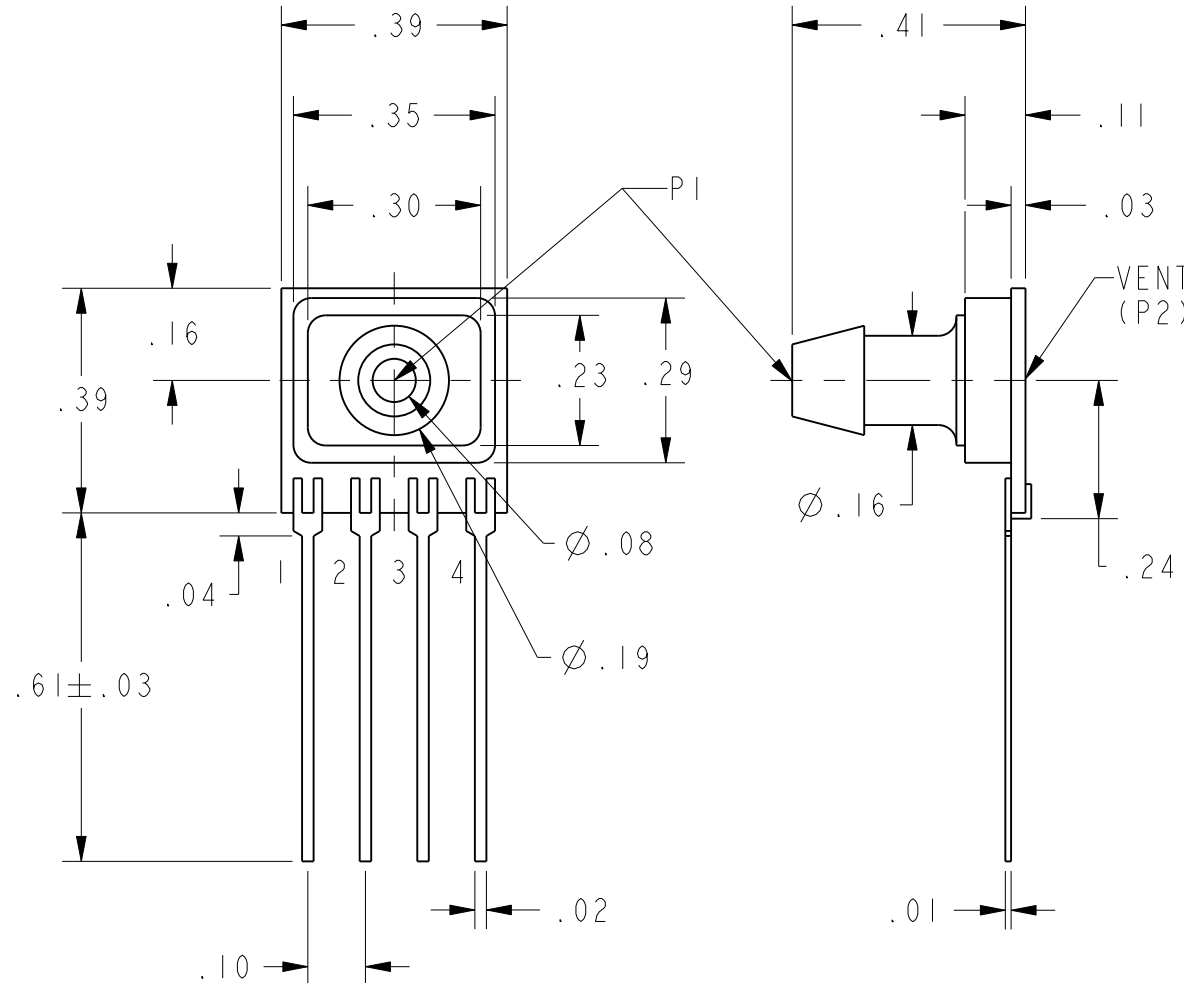
**PRESSURE REFERENCE**

**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          |                   |



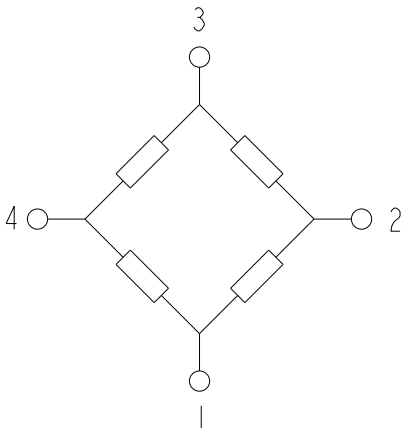
G HOUSING



GF HOUSING

| 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 <sub>2</sub> O (P1>P2) (L04 LISTING)                             | 23                                                            | 25   | 27  | N/A     | N/A  | N/A  | mVdc   | 4 IN H <sub>2</sub> O   | 3                 |  |
| 4 IN H <sub>2</sub> O (P1>P2) (SCDA121 CPCL04GFC)                       | 23                                                            | 25   | 27  | N/A     | N/A  | N/A  | mVdc   | 4 IN H <sub>2</sub> O   | 5                 |  |
| 10 IN H <sub>2</sub> O (P1>P2) (L10 LISTING)                            | 19                                                            | 20   | 21  | 19.5    | 20   | 20.5 | mVdc   | 10 IN H <sub>2</sub> O  | 5                 |  |
| 0.3 PSI SPAN (P1>P2)                                                    | 19                                                            | 20   | 21  | 19.5    | 20   | 20.5 | mVdc   | 0.3                     | 5                 |  |
| 1 PSI SPAN (P1>P2)                                                      | 17                                                            | 18   | 19  | 17.5    | 18   | 18.5 | mVdc   | 1                       | 5                 |  |
| 5 PSI SPAN (P1>P2)                                                      | 57                                                            | 60   | 63  | 59      | 60   | 61   | mVdc   | 5                       | 15                |  |
| 15 PSI SPAN (P1>P2)                                                     | 85                                                            | 90   | 95  | 89      | 90   | 91   | mVdc   | 15                      | 45                |  |
| 30 PSI SPAN (P1>P2)                                                     | 85                                                            | 90   | 95  | 89      | 90   | 91   | mVdc   | 30                      | 90                |  |
| 60 PSI SPAN (P1>P2)                                                     | 85                                                            | 90   | 95  | 89      | 90   | 91   | mVdc   | 60                      | 180               |  |
| 100 PSI SPAN (P1>P2)                                                    | 95                                                            | 100  | 105 | 99      | 100  | 101  | mVdc   | 100                     | 250               |  |
| 150 PSI SPAN (P1>P2)                                                    | 85                                                            | 90   | 95  | 89      | 90   | 91   | mVdc   | 150                     | 250               |  |
| NULL SHIFT OVER TEMPERATURE (0-25, 25-70 °C) $\triangle 2 \triangle 10$ | ---                                                           | ---  | ±1  | ---     | ---  | ±.5  | mV     |                         |                   |  |
| SPAN SHIFT OVER TEMPERATURE (0-25, 25-70 °C) $\triangle 2 \triangle 10$ | ---                                                           | ---  | ±2  | ---     | ---  | ±1   | % SPAN |                         |                   |  |
| COMBINED LINEARITY AND HYSTERESIS $\triangle 3$                         | ---                                                           | 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     |



EQUIVALENT CIRCUIT

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

**NOTES**

1 - SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUPUT AT FULL SCALE PRESSURE AND THE OFFSET OUTPUT

$\triangle 2$  TEMPERATURE ERROR IS CALCULATED WITH RESPECT TO 25°C

$\triangle 3$  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<sub>EXCITATION</sub>/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

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

|                                                                                                                                                                                                       |  |  |                                                                                                                                                        |                                         |                   |                       |                                |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|-----------------------|--------------------------------|--------|
| UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:<br>NO PLACE X ±.040 ±1<br>ONE PLACE .X ±.030 ±0,4<br>TWO PLACE .XX ±.015 ±0,15<br>THREE PLACE .XXX ±.005 ±<br>ANGLES ±<br>RAW MATERIAL-COMMERCIAL STANDARD |  |  | <input checked="" type="checkbox"/> US (inch) CUSTOMARY                                                                                                | <input type="checkbox"/> SI (mm) METRIC | DRAWN TRF 02APR01 | <b>Honeywell</b>      |                                |        |
| THIRD ANGLE PROJECTION                                                                                                                                                                                |  |  | CHECK SAV 02APR01                                                                                                                                      |                                         |                   | TITLE PRESSURE SENSOR |                                |        |
| DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED                                                                                                                                       |  |  | 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. |                                         |                   | SIZE DWG TYPE         | DRAWING NAME                   |        |
| 3D PTC                                                                                                                                                                                                |  |  | ASME Y14.5M-1994                                                                                                                                       |                                         |                   | <b>C</b> <b>I</b>     | <b>CPC GAGE SERIES CHART 1</b> |        |
|                                                                                                                                                                                                       |  |  |                                                                                                                                                        |                                         |                   | SCALE 3:1             | WEIGHT                         | REV 14 |
|                                                                                                                                                                                                       |  |  |                                                                                                                                                        |                                         |                   | SHEET 1               | OF 1                           |        |

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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