

# Honeywell

## Interactive Catalog Replaces Catalog Pages

Honeywell Sensing and Control has replaced the PDF product catalog with the new **Interactive Catalog**. The **Interactive Catalog** is a power search tool that makes it easier to find product information. It includes more installation, application, and technical information than ever before.



**Click this icon to try the new  
Interactive Catalog.**

# Pressure Sensors

# 24PC Series

## Gage Unamplified Noncompensated Flow-Through



### FEATURES

- Measures positive and negative gage pressures
- Flow-through port design fits in-line with application
- Popular port sizes:
  - 8 mm (.315 in.) OD (1/4 in. ID tubing or standard connectors)
  - 0.144 in. OD (1/8 in. ID tubing)
- Medical grade ISO 10993-1 (USP Class 6) port material
- Silicon sensor chip
- 24 inch wire harness with splash proof connector
- Minimal deadspace — efficient cleansing and disinfecting

### 24PC SERIES PERFORMANCE CHARACTERISTICS at 10.0 ±0.01 VDC EXCITATION, 25°C

|                                    | Min.  | Typ.  | Max.  | Units |
|------------------------------------|-------|-------|-------|-------|
| Excitation                         | ---   | 10    | 12    | VDC   |
| Null Shift, 25° to 0°, 25° to 50°C | ---   | ±2.0  | ---   | mV    |
| Null Offset                        | -30   | 0     | +30   | mV    |
| Linearity, P2 > P1, BFSL           | ---   | ±0.5  | ---   | %Span |
| Span Shift, 25° to 0°, 25° to 50°C | ---   | ±5.0  | ---   | %Span |
| Repeatability & Hysteresis         | ---   | ±0.2  | ---   | %Span |
| Response Time                      | ---   | ---   | 1.0   | msec  |
| Input Resistance                   | 4.0 K | 5.0 K | 6.0 K | ohms  |
| Output Resistance                  | 4.0 K | 5.0 K | 6.0 K | ohms  |
| Stability over One Year            | ---   | ±0.5  | ---   | %Span |

### ENVIRONMENTAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Operating Temperature | -40° to +85°C (-40° to +185°F)   |
| Storage Temperature   | -55° to +100°C (-67° to +212°F)  |
| Shock                 | Qualification tested to 150 g  |
| Vibration             | Qualification tested to 0 to 2 kHz, 20 g sine  |
| Media Compatibility   | Limited only to those media which will not attack polysulfone, silicon, fluorosilicone, silicone, EPDM, and neoprene seals |

### 24PC SERIES FLOW THROUGH ORDER GUIDE

| Catalog Listing | Pressure Range psi | Span, mV |      |      | Sensitivity mV/psi Typ. | Overpressure psi Max. |
|-----------------|--------------------|----------|------|------|-------------------------|-----------------------|
|                 |                    | Min.     | Typ. | Max. |                         |                       |
| 24PCE Type      | 0.5                | 25       | 35   | 45   | 70                      | 20                    |
| 24PCA Type      | 1.0                | 30       | 45   | 60   | 45                      | 20                    |
| 24PCB Type      | 5.0                | 85       | 115  | 145  | 23                      | 20                    |
| 24PCC Type      | 15                 | 165      | 225  | 285  | 15                      | 45                    |
| 24PCD Type      | 30                 | 240      | 330  | 420  | 11                      | 60                    |
| 24PCF Type      | 100                | 156      | 225  | 294  | 2.25                    | 200                   |
| 24PCG Type      | 250                | 145      | 212  | 280  | 0.85                    | 500                   |

Unamplified

## Gage Unamplified Noncompensated Flow-Through

### SENSOR SELECTION GUIDE

| <b>2</b><br>Product<br>Family | <b>4</b><br>Circuit<br>Type | <b>PC</b><br>Pressure<br>Transducer | <b>A</b><br>Pressure<br>Range  | <b>F*</b><br>Type of<br>Seal   | <b>N</b><br>Port<br>Type   | <b>5</b><br>Termination<br>Style                                     | <b>G</b><br>Pressure<br>Measurement |
|-------------------------------|-----------------------------|-------------------------------------|--|--|--|--|-------------------------------------|
| 2 20PC<br>Family              | 4 Noncom-<br>pensated       |                                     | <b>A</b> 1 psi<br><b>B</b> 5 psi<br><b>C</b> 15 psi<br><b>D</b> 30 psi<br><b>E</b> 0.5 psi<br><b>F</b> 100 psi<br><b>G</b> 250 psi | <b>E</b> EPDM<br><b>F</b> Fluorosilicone<br><b>N</b> Neoprene<br><b>S</b> Silicone | <b>G</b> Small<br><b>N</b> Large<br>(.350 dia.)<br><b>P</b> Large<br>(.315 dia.) | <b>2</b> 4-pin DIP<br><b>5</b> Wire<br>harness<br><b>6</b> 4-pin SIP | <b>G</b> Gage                       |

**Example:** 24PCBFG5G

Non-compensated 5 psi sensor, fluorosilicone seal, small flow-through ports, wire harness, and gage pressure measurement.

\*Other media seal materials may be available.

**Note:** Not all combinations are established. Contact 800 number before final design.

See Accessory Guide, page 27.