

## 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.

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**Sensing and Control**  
Honeywell Inc.  
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Freeport, Illinois 61032



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