

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

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