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.

Sensing and Control

Honeywell Inc. 11 West Spring Street Freeport, Illinois 61032

Pressure Sensors

Low Pressure Differential, Gage, Vacuum Gage/Amplified



FEATURES

- Low pressure measurement
- PCB terminals on opposite side from
- Fully signal conditioned

160PC SERIES PERFORMANCE CHARACTERISTICS at 8.0 \pm 0.01 VDC Excitation, 25°C (Exception 163PC at 10 ±0.01 VDC Excitation, 25°C)

	Min.	Тур.	Max.	Units
Excitation	6.00	8.00	16	VDC
Supply Current		8.00	20	mA
Current Sourcing Output			10	mA
Null Offset (161/162/164PC)*	0.95	1.00	1.05	V
Null Offset (163PC) **	3.45	3.50	3.55	V
Output at Full Pressure (161/162/164PC)	5.90	6.00	6.10	V
Output at Full Vacuum (163PC)	0.80	1.00	1.20	V
Span (161/162/164PC)	4.85	5.00	5.15	V
Span (163PC) **		5.00		V
Ratiometricity Error 7 to 8 V or 8 to 9 V 9 to 12 V		±0.50 ±2.00		%Span
Stability over One Year		±0.50		%Span
Response Time			1.00	msec
Weight		28		grams
Short Circuit Protection	Output may be shorted indefinitely to ground			
Output Ripple	None, DC device			
Ground Reference	Supply and output are common			

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40° to +85°C (-40° to +185°F)
Storage Temperature	-55° to +125°C (-67° to +257°F)
Compensated Temperature	-18° to +63°C (0° to +145°F)
Shock	MIL-STD-202, Method 213 (50 g, half sine, 6 msec)
Vibration	MIL-STD-202, Method 204 (10 to 2000 Hz at 10 g)
Media	P2 port Wetted materials; polyester housing, epoxy adhesive, silicon, borosilicate glass,and silicon-to-glass bond*
	P1 port Dry gases only

^{*}Liquid media containing some highly ionic solutions could potentially neutralize the chip-to-glass tube

^{*}Positive (or negative) pressure measurement.
**Positive AND negative pressure measurement.