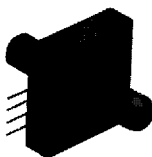


Pressure Sensors

Low Pressure Gage & Differential/Unamplified

170PC Series

Basic Sensors



FEATURES

- Miniature package
- Low pressure measurement
- Lower price

174PC SERIES PERFORMANCE CHARACTERISTICS at 10.0 ±0.01 VDC Excitation, 25°C

	Min.	Typ.	Max.	Units
Excitation	---	10	12	VDC
Null Offset	-40	0	+40	mV
Null Shift, 25° to 0°, 25° to 50°C	---	±3.0	---	mV
Sensitivity Shift, 25° to 0°, 25° to 50°C	---	±6.5	---	%F.S.O.
Repeatability & Hysteresis	---	±0.25	---	%F.S.O.
Response Time	---	---	1.0	msec
Input Resistance	---	4.8 K	---	ohms
Output Resistance	---	4.8 K	---	ohms
Stability over One Year	---	±0.5	---	%F.S.O.
Weight	---	7	---	grams

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40° to +85°C (-40° to +185°F)
Storage Temperature	-55° to +125°C (-67° to +257°F)
Shock	MIL-STD-202, Method 213 (150 g, half sine, 11 msec)
Vibration	MIL-STD-202, Method 204 (10 to 2000 Hz at 20 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 bond.

174PC SERIES ORDER GUIDE

Catalog Listing	Pressure Range "H ₂ O	Full Scale Output F.S.O., mV			Sensitivity mV/"H ₂ O Typ.	Overpressure "H ₂ O Max.	Linearity, %F.S.O.	
		Min.	Typ.	Max.			P2 > P1 Typ.	P2 < P1 Typ.
174PC07HG2	0-7 Gage	40	55	70	7.86	140	±2.00	±2.00
174PC07HD2	0-7 Diff.	40	55	70	7.86	140	±2.00	±2.00
174PC14HG2	0-14 Gage	50	70	90	5.0	140	±2.00	±2.00
174PC14HD2	0-14 Diff.	50	70	90	5.0	140	±2.00	±2.00
174PC28HG2	0-28 Gage	56	85	114	3.04	140	±2.00	±2.00
174PC28HD2	0-28 Diff.	56	85	114	3.04	140	±2.00	±2.00