

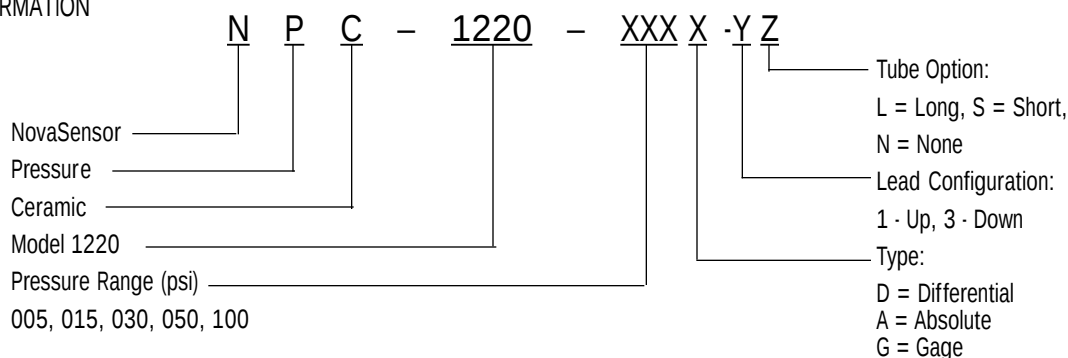
NPC-1220 Sensor Specification

PARAMETER	VALUE	UNITS	NOTES		
ENVIRONMENTAL					
Temperature Operating	-40 to +125	°C	-40 to +257°F		
Compensated	0 to +60	°C	+32 to +140°F		
Storage	-55 to +150	°C	-67 to +302°F		
MECHANICAL					
Weight	2.5	grams			
Media Compatibility:	Positive differential and gage ports Absolute, negative differential ports	Compatible with wetted materials Dry gases only	7		
PERFORMANCE (Note 1)					
Parameter	Units	Min.	Typ.	Max.	Notes
Full Scale Output (FSO)	mV	49.5	50	50.5	2, 3
Zero Pressure Output	±mV	—	—	2	3
Linearity	±%FSO	—	—	0.1	4, 8
Pressure Hysteresis	±%FSO	—	—	0.1	
Input Impedance	Ω	2500	4000	6000	
Output Impedance	Ω	4000	5000	6000	
Thermal Accuracy-Span	±%FSO	—	—	0.5	3, 5, 8
Thermal Accuracy-Zero	±%FSO	—	—	0.5	3, 5, 8
Temperature Coefficient-Resistance	%/°C	—	0.22	—	5
Thermal Hysteresis-Zero	±%FSO	—	0.1	—	5
Input Excitation	mA	—	1.5	2.0	
Pressure Overload	Rated	—	—	3X	6

Notes:

1. Ambient temperature = 25°C, unless otherwise noted.
2. Output span of the unamplified sensor using the current set resistor and the circuit shown in the schematic diagram.
3. Compensation resistors are an integral part of the sensor package; no additional external resistors are required. Pins 7 and 8 must be kept open. The NPC-1220 is interchangeable only when used with the current set resistor shown in the schematic diagram.
4. Best fit straight line
5. Temperature range 0-60°C, reference to 25°C.
6. 3X or 200 psi maximum, whichever is less.
7. Wetted materials are pyrex, ceramic, silicon, epoxy, RTV and nickel.
8. Call factory for 5 PSI spec.

ORDERING INFORMATION



Sales Terms: Lucas NovaSensor standard sales terms apply. Prices and specifications are subject to change without notice.

Warranty: Lucas NovaSensor warrants its products against defects in material and workmanship for 12 months from date of shipment. Products not subjected to misuse will be repaired or replaced. THE FOREGOING IS IN LIEU OF ANY OTHER EXPRESSED OR IMPLIED WARRANTIES. Lucas NovaSensor reserves the right to make changes to any product herein and assumes no liability arising out of the application or use of any product or circuit described or referenced herein.



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