

P221 Pressure Transmitter



Precision Grade Flush Diaphragm

0-100 psi through 0-7,500 psi

Product Specifications

Electrical

Excitation	
P221A, P221B	8-38 Vdc*
P221C	2-15 Vdc
Output	
P221A	4-20 mA _{dc}
P221B	0-5 Vdc*
P221C	1-2 mV/V*
Zero Balance	= ±1% FSO
FSO Setting	= ±1% FSO
Resolution	Infinite (±.001% FSO usable)
Response Time	
P221A, P221B	< 3 mS
P221C	< 0.5 mS
Insulation Resistance	1000 MO @ 50 Vdc
Reverse Polarity	Protected
Warm-up	< 10 mS
Power Supply Effect	= ±.002% FSO per V input (P221A, P221B)
EMI/RFI	Internal Filtering (P221A, P221B)
Short Circuit Protected	Up to 40 Vdc (P221A, P221B)

Performance

Static Accuracy	= ±0.5% FSO* (BFSL, RSS)* (combined effects of non-linearity, hysteresis & repeatability)
Repeatability	= ±0.1% FSO
Temperature Effects	= ±1.5% FSO over comp range* (combined effects of Zero & FSO with reference at 70°F)
Long Term Stability	= ±0.25% FSO per year

Note: specifications are subject to change.

Mechanical

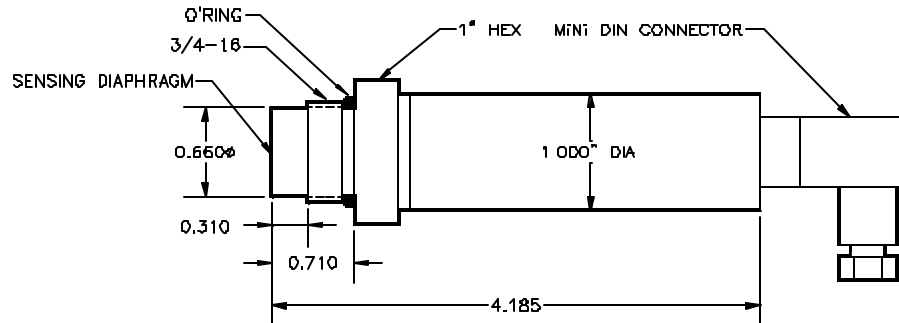
Pressure Ranges	0-100 through 0-7,500 psi (Customer may specify any range/eng. unit FOC) (Absolute, vacuum, compound available options)
Proof Pressure	2X Full Scale*
Burst Pressure	5X Full Scale* (15k psi max)
Materials	
Wetted Parts*	15-5 SST*
Non-wetted Parts	316 SST plus electrical connector*
Pressure Port	3/4-16 UNF Flush with 'O'-Ring*
Electrical Connector	NEMA 4X cable exit (24" cable)*
Dimensions	per outline below
Weight	nominal 10 oz

Environmental

Compensated Temp Range	0 to 170 °F
Operating Temp Range	-40 to 200 °F
Storage Temp Range	-40 to 250 °F

* Options Available

Outline



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