

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Measurement Range	100 psi	689.5 kPa	
Sensitivity(± 15 %)	50 µA/psi	344.7 µA/kPa	
Maximum Pressure	1 kpsi	6895 kPa	
Resonant Frequency	≥ 200 kHz	≥ 200 kHz	
Rise Time	≤ 2.0 µ sec	≤ 2.0 µ sec	
Low Frequency Response(-5 %)	0.5 Hz	0.5 Hz	
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	[3]
Environmental			
Acceleration Sensitivity	≤ 0.005 psi/g	≤ 0.0035 kPa/(m/s ²)	
Temperature Range(Operating)	-4 to +176 °F	-20 to +80 °C	
Temperature Coefficient of Sensitivity	-0.03 %/°F	-0.054 %/°C	[1]
Maximum Vibration	2000 g pk	19,614 m/s ² pk	
Maximum Shock	20,000 g pk	196,140 m/s ² pk	
Electrical			
Output Polarity(Positive Pressure)	Positive	Positive	
Discharge Time Constant	≥ 1.0 sec	≥ 1.0 sec	
Excitation Voltage(± 0.5 VDC)	15 VDC	15 VDC	
Settling Time	<7 sec	<7 sec	
Spectral Noise(1 kHz)	43 µpsi/√Hz	6192 µPa/√Hz	[1]
Spectral Noise(10 kHz)	32 µpsi/√Hz	4608 µPa/√Hz	[1]
Electrical Isolation	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm	
Bias Current	7 to 12 mA	7 to 12 mA	[2]
Physical			
Sensing Geometry	Compression	Compression	
Sensing Element	Quartz	Quartz	
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel	
Diaphragm	316L Stainless Steel	316L Stainless Steel	
Coating	Emralon	Emralon	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connections(center lead)	Signal / Power	Signal / Power	
Electrical Connections(braid)	Ground	Ground	
Weight(without cable)	0.51 oz	14.5 gm	[1]
Cable Termination	Blunt cut	Blunt cut	
Cable Type	Ø.12 santoprene jacket,coax,water blocked	Ø.12 santoprene jacket,coax,water blocked	
Cable Length	20 ft	6 m	
All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice.			

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1] Typical.
 [2] Bias mA = 2.1 x Excitation VDC - 22.8
 [3] Zero-based, least-squares, straight line method.

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