

	ENGLISH	SI	
Performance			
Sensitivity(± 20 %)	15.5 pC/psi	225 pC/bar	
Measurement Range	300 psi	20.7 bar	
Maximum Pressure(Total)	1.45 kpsi	100 bar	
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Transverse Resonance	≥ 10 kHz	≥ 10 kHz	
Frequency Response	10 kHz	10 kHz	[3][4]
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[5]
Environmental			
Acceleration Sensitivity	≤ 0.01 psi/g	≤ .00069 bar/g	
Temperature Range(Continuous)	-65 to 662 °F	-54 to 350 °C	
Temperature Range(Intermittent)	-320 to 752 °F	-196 to 400 °C	
Temperature Response	See Graph	See Graph	[2]
Radiation Exposure Limit(Integrated Neutron Flux)	1E10 N/cm ²	1E10 N/cm ²	
Radiation Exposure Limit(Integrated Gamma Flux)	1E8 rad	1E8 rad	
Electrical			
Output Polarity	Differential	Differential	
Capacitance	45 pF	45 pF	[1]
Internal Resistance(room temp)	≥ 10 ⁹ Ohm	≥ 10 ⁹ Ohm	
Insulation Resistance(room temp)	≥ 10 ⁹ Ohm	≥ 10 ⁹ Ohm	
Internal Resistance(572°F/300°C)	≥ 10 ⁷ Ohm	≥ 10 ⁷ Ohm	
Insulation Resistance(572°F/300°C)	≥ 10 ⁷ Ohm	≥ 10 ⁷ Ohm	
Physical			
Sensing Element	UHT-12™	UHT-12™	
Sensing Geometry	Compression	Compression	
Housing Material	Nickel Alloy	Nickel Alloy	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	2-Pin	2-Pin	
Weight	3.9 oz	122 g	

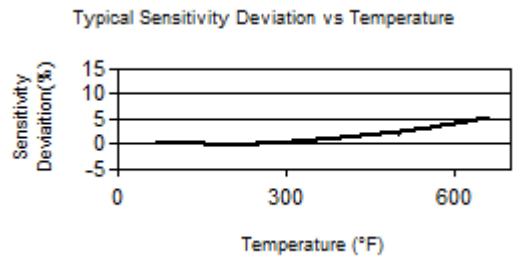
OPTIONAL VERSIONS

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] Nominal.
 [2] Typical.
 [3] Upper frequency response is calculated from Resonant Frequency.
 [4] Low frequency response is determined by external signal conditioning electronics.
 [5] Zero-based, least-squares, straight line method.

SUPPLIED ACCESSORIES:
 Model 100-15954-30 Metric Mounting screws (M5 x 0.8mm x 18mm long) (3)



Entered: JM	Engineer: RPF	Sales: MC	Approved: RPF	Spec Number:
Date: 6/1/2017	Date: 6/1/2017	Date: 6/1/2017	Date: 6/1/2017	59473

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.
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