

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 20 %)	16 pC/psi	232 pC/bar	
Measurement Range	290 psi	20 bar	
Maximum Pressure(Total)	2 kpsi	137.9 bar	
Resonant Frequency	≥ 50 kHz	≥ 50 kHz	
Transverse Resonance	≥ 10 kHz	≥ 10 kHz	
Frequency Response	10 kHz	10 kHz	[4][5]
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[6]

Environmental			
Acceleration Sensitivity	0.003 psi/g	0.00021 bar/g	[2]
Acceleration Sensitivity	0.01 psi/g	0.00069 bar/g	[3]
Temperature Range(Continuous)	-94 to 1200 °F	-70 to 650 °C	
Temperature Range(Receptacle)	-76 to 500 °F	-60 to 260 °C	
Temperature Response	See Graph	See Graph	
Hazardous Area Approval	See Manual	See Manual	
Radiation Exposure Limit(Integrated Gamma Flux)	1E8 rad	1E8 rad	
Radiation Exposure Limit(Integrated Neutron Flux)	1E10 N/cm²	1E10 N/cm²	

Electrical			
Output Polarity	Differential	Differential	
Capacitance(with cable pin - pin)	170 pF	170 pF	[1]
Internal Resistance(room temp)	≥ 10 ¹² Ohm	≥ 10 ¹² Ohm	
Insulation Resistance(room temp)	≥ 10 ¹² Ohm	≥ 10 ¹² Ohm	
Internal Resistance(1200°F/650°C)	≥ 50 kohm	≥ 50 kohm	
Insulation Resistance(1200°F/650°C)	≥ 100 kohm	≥ 100 kohm	

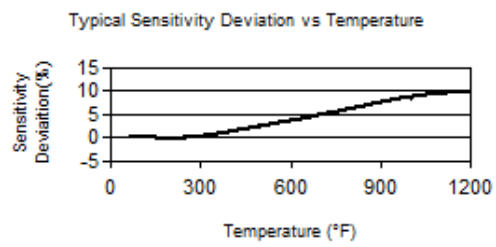
Physical			
Sensing Element	UHT-12™	UHT-12™	
Sensing Geometry	Compression	Compression	
Housing Material	Nickel Alloy	Nickel Alloy	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	7/16-27 2-Pin	7/16-27 2-Pin	
Cable Type	Overbraided Hardline	Overbraided Hardline	
Cable Length	10 ft	3.05 m	
Weight(with cable)	17.6 oz	500 gm	

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] Nominal.
 [3] Maximum.
 [4] Upper frequency response is calculated from Resonant Frequency.
 [5] Low frequency response is determined by external signal conditioning electronics.
 [6] Zero-based, least-squares, straight line method.
 [7] See PCB Declaration of Conformance PS058 for details.



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.

Entered: LK	Engineer: GJR	Sales: JC	Approved: BAM	Spec Number:
Date: 3/30/2017	Date: 3/30/2017	Date: 3/30/2017	Date: 3/30/2017	58671

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