Model Number 176M 09	(HARGE OUT		SSURE SENSOR	Revision: H ECN #: 55057
erformance	ENGLISH	<i>c</i> ,		OPTIONAL VERSIONS	
		SI SI		Optional versions have identical specifications and accessories as	listed for the standard model e
ensitivity(± 20 %)	17 pC/psi	247 pC/bar		Optional versions have identical specifications and accessories as where noted below. More than one option	may be used.
leasurement Range	20 psi	1.4 bar			,
laximum Pressure(Total)	400 psi	27.6 bar			
esonant Frequency	> 50 kHz	> 50 kHz			
equency Response	10 kHz	10 kHz	[1][2]		
on-Linearity	≤ 1 % FS	≤ 1 % FS	[3]		
nvironmental			[-]		
cceleration Sensitivity	0.01 psi/g	.00069 bar/g	[4]		
cceleration Sensitivity	.003 psi/g	.00021 bar/g	[5]		
			[5]		
emperature Range(Continuous)	-94 to 986 °F	-70 to 530 °C			
emperature Range(Receptacle)	-76 to 500 °F	-60 to 260 °C			
emperature Response	See Graph	See Graph	[5]		
azardous Area Approval	See Manual	See Manual			
diation Exposure Limit(Integrated	1E8 rad	1E8 rad			
amma Flux)					
idiation Exposure Limit(Integrated	1E10 N/cm ²	1E10 N/cm ²			
eutron Flux)	i E i o i vy citi				
ectrical					
	Differential	Differential			
utput Polarity(Differential)	Differential	Differential			
pacitance(with cable pin - pin)	165 pF	165 pF	[5]		
sistance(Pin-Pin)(Room Temp)	≥ 10 ¹² Ohm	≥ 10 ¹² Ohm			
sistance(Pin-Case)(Room Temp)	≥ 10 ¹² Ohm	≥ 10 ¹² Ohm			
sistance(Pin-Pin)(986°F/530°C)	≥ 50 kohm	≥ 50 kohm			
sistance(Pin-Case)(986°F/530°C)	≥ 100 kohm	≥ 100 kohm			
sulation Resistance	See Graph	See Graph			
sulation Resistance	See Graph	See Graph			
ulation Resistance	See Graph	See Graph			
sulation Resistance	See Graph	See Graph			
hysical	bee elaph	bee erapri			
ensing Element	UHT-12™	UHT-12™			
nsing Geometry	Compression	Compression			·
busing Material	Nickel Alloy	Nickel Alloy		NOTES:	
ealing	Welded Hermetic	Welded Hermetic			
ectrical Connector	7/16-27 2-Pin	7/16-27 2-Pin		[1]Low frequency response is determined by external signal cond	
able Type	Overbraided Hardline	Overbraided Hardline		[2]Upper frequency response is calculated from Resonant Freque	ency.
eight(with clamp nut & cable)	8.3 oz	235 gm		[3]Zero-based, least-squares, straight line method.	
g(g		[4]Maximum.	
				[5]Typical.	
				[6]See PCB Declaration of Conformance PS058 for details.	
				[0]see i es securation of contormatice i soso for actails.	
	Typical Sensi	itivity Deviation vs Temp	erature		
				SUPPLIED ACCESSORIES:	
	୍ଟ 10 			Model 40890-01 Silver plated, ss, seal (6)	
	20			Model 40902-01 Clamp nut (1)	
	2 5 5			Model PCS-1 Calibration of dynamic pressure sensors at 100% fu	ll scale, max 15 kpsi range.
	is is			······································	
	ë, g 0 ⊢−− =	_			
	°° -5				
JK					
JR	0	250 500 7	750 1000		
[6]		Temperature (°F)			
				Entered: ND Engineer: AJA Sales: MV App	proved: RPF Spec Numbe
				Date: 08/05/2024 Date: 08/05/2024 Date: 08/05/2024 Date	te: 08/05/2024 40901
c_{λ}					
					684-0001
				WPCR PIF7NTRINICS Fax: 716-68	4-0987
					@pcb.com
specifications are at room temperature	unless otherwise specified			AN AMPHENOL COMPANY	@pcb.com
l specifications are at room temperature the interest of constant product improve	unless otherwise specified.	and specifications without	notice		@pcb.com