Model Number 176B12	CHARGE OUTPUT PRESSURE SENSOR						Revision: B ECN #: 55057	
erformance	ENGLISH	SI	_		OPTIONAL VERSI			
				Optional versions have identica	I specifications and accessor	ies as listed for the s	tandard model (
ensitivity(+/- 20 %)	6 pC/psi	87 pC/bar		where n	oted below. More than one of	option may be used.		
leasurement Range laximum Pressure(Total)	725 psi	50 bar						
esonant Frequency	5,200 psi	358.5 bar						
	≥ 100 kHz	≥ 100 kHz						
ransverse Resonance	> 15 kHz	> 15 kHz	(4)(0)					
requency Response(± 5.0 %)	20,000 Hz	20,000 Hz	[1][2]					
on-Linearity	≤ 1 % FS	≤ 1 % FS	[3]					
nvironmental								
cceleration Sensitivity	0.0036 psi/g	.00025 bar/g	[4]					
cceleration Sensitivity	.002 psi/g	.00014 bar/g	[5]					
emperature Range(Continuous)	-94 to 1,400 °F	-70 to 760 °C						
emperature Range(Connector)	-76 to 250 °F	-60 to 121 °C						
emperature Response	See Graph	See Graph	[5]					
azardous Area Approval	See Manual	See Manual						
adiation Exposure Limit(Integrated	1E10 N/cm ²	1E10 N/cm ²						
eutron Flux)								
adiation Exposure Limit(Integrated	1E8 rad	1E8 rad						
amma Flux)								
lectrical								
utput Polarity	Differential	Differential						
apacitance(with cable pin - pin)	150 pF	150 pF	[5]					
esistance(Pin-Pin)(Room Temp)	≥ 10 ⁹ Ohm	≥ 10 ⁹ Ohm						
esistance(Pin-Case)(Room Temp)	≥ 10 ⁹ Ohm	≥ 10 ⁹ Ohm						
esistance(Pin-Pin)(1400°F/760°C)	≥ 50,000 Ohm	≥ 50,000 Ohm						
esistance(Pin-Case)(1400°F/760°C)	≥ 100,000 Ohm	≥ 100,000 Ohm						
hysical								
ensing Element	UHT-12™	UHT-12™						
ensing Geometry	Compression	Compression						
ousing Material	Nickel Alloy	Nickel Alloy						
ealing	Welded Hermetic	Welded Hermetic						
lectrical Connector	LEMO	LEMO						
able Type	Hardline	Hardline		NOTES:				
able Length	10 ft	3 m						
/eight(with cable)	4.6 oz	130 gm	[5]	[1]Low frequency response is a [2]Upper frequency response is			onics.	
				[3]Zero-based, least-squares		requency.		
				[4]Maximum.	ine metrioa.			
				[4]Maximum. [5]Typical.				
				[6]See PCB Declaration of Con	formance DSOE9 for details			
				[6]See PCB Declaration of Con	formance PS058 for details.			
	🖗 Typical Sensi	itivity Deviation vs Ten	nperature					
	<u> </u>			SUPPLIED ACCESSORIES	:			
	iti i	<u>ia</u> 10			Model 065A71 Seal, 0.4315" OD x 0.375" ID x .030" thk, 316L silver plated (1)			
	iei 5 di			Model 69862-01 Clamp Nut (1)				
	0 6			Model PCS-1 Calibration of dyn		0% full scale, max 15	kpsi range.	
	i≩ -5			,	·		, ,	
	-0 -1							
	湯 -10							
JK	କ୍ଟି 0 250	500 750 100	0 1250 1450					
	0 0 250	500 750 100	0 1200 1400					
		Temperature (°F)		-		_		
		remperature (1)		Entered: ND Engineer: A.	JA Sales: MV	Approved: RPF	Spec Numbe	
				Date: 08/05/2024 Date: 08/05	5/2024 Date: 08/05/2024	Date: 08/05/2024	78283	
Ex (SP°						716-684-0001		
				PCB PIEZOT	RONICS Fax: 71	6-684-0987		
						info@pcb.com		
I specifications are at room temperature un	less otherwise specified.			AN AMP	HENOL COMPANY	-		
the interest of constant product improven		e specifications without notic	ce.	3425 Walden Avenue, Depew, N	VY 14043			
is model, designated with an RH prefix, is F	oHS compliant. For further details	, and to obtain PCB's RoHS St	atement of					