Model Number 176A05	CHARGE OUTPUT PRESS			SSURE SENSOR	Revision: D ECN #: 55057
176A05 Performance Sensitivity(± 20 %) Measurement Range Maximum Pressure(Total) Resonant Frequency Transverse Resonance Frequency Response(+/- 5 %) Non-Linearity Environmental Acceleration Sensitivity Acceleration Sensitivity Temperature Range(Continuous) Temperature Range(Receptacle) Temperature Response Hazardous Area Approval Radiation Exposure Limit(Integrated Gamma Flux) Radiation Flux)	ENGLISH SI 65 pC/psi 942.7 pC/bar 75 psi 5.2 bar 1,450 psi 100 bar > 40 kHz > 40 kHz ≥ 8 kHz ≥ 8 kHz 8 kHz 8 kHz 1% FS ≤ 1 % FS 0.003 psi/g .00021 bar/g 0.01 psi/g .00069 bar/g -94 to 968 °F -70 to 520 °C -76 to 500 °F -60 to 260 °C See Graph See Graph See Graph See Manual 1E8 rad 1E8 rad 1E10 N/cm ² 1E10 N/cm ²		ECN #: 5505 OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model exc where noted below. More than one option may be used.		
Electrical Output Polarity Capacitance(with cable pin - pin) Resistance(Pin-Pin)(Room Temp) Resistance(Pin-Case)(Room Temp) Resistance(Pin-Case)(968°F/520°C) Resistance(Pin-Case)(968°F/520°C) Physical Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Cable Type Weight(with cable)	Differential 650 pF ≥ 10 ⁹ Ohm ≥ 10 ¹² Ohm ≥ 50,000 Ohm ≥ 100,000 Ohm Ceramic Compression Nickel Alloy Welded Hermetic 7/16-27 2-Pin Overbraided Hardline 9.35 oz	Differential 650 pF ≥ 10^9 Ohm ≥ 10^{12} Ohm ≥ 50,000 Ohm ≥ 100,000 Ohm Ceramic Compression Nickel Alloy Welded Hermetic 7/16-27 2-Pin Overbraided Hardline 265 gm	[4]	NOTES: [1]Low frequency response is determined by external sig [2]Upper frequency response is calculated from Resonar [3]Zero-based, least-squares, straight line method. [4]Typical. [5]Maximum. [6]See PCB Declaration of Conformance PS058 for detail	t Frequency.
	Sensitivity Deviation(%) 0 - 10 0 - 0 0 - 10	itivity Deviation vs Tempe 200 400 600	erature 800 1000	SUPPLIED ACCESSORIES: Model PCS-1 Calibration of dynamic pressure sensors at	100% full scale, max 15 kpsi range.
		Temperature (°F)		Entered: ND Engineer: AJA Sales: MV Date: 08/05/2024 Date: 08/05/2024 Date: 08/05/2024	Approved: RPF Spec Number: 4 Date: 08/05/2024 55187
All specifications are at room temperatu In the interest of constant product impro ICP [®] is a registered trademark of PCB Pi	vement, we reserve the right to ch	nange specifications without	notice.		e: 716-684-0001 /16-684-0987 il: info@pcb.com