Model Number 176A 02	CHARGE		
Performance	ENGLISH	SI	
Sensitivity(+/- 20 %)	6 pC/psi	87 pC/	
Measurement Range	725 psi	50 ba	
Maximum Pressure(Total)	5,200 psi	358.5 l	
D 15	. 400 111	. 1001	

OUTPUT PRESSURE SENSOR

Revision: G ECN #: 54257

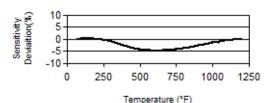
OPTIONAL VE	RSIONS
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Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

/bar ar bar ≥ 100 kHz Resonant Frequency ≥ 100 kHz Transverse Resonance > 15 kHz > 15 kHz 20,000 Hz Frequency Response(± 5.0 %) 20,000 Hz [1][2] Non-Linearity ≤ 1 % FS ≤ 1 % FS [3] Environmental Acceleration Sensitivity $\leq 0.0036 \text{ psi/g}$ ≤ .00025 bar/g Temperature Range(Continuous) -94 to 1,200 °F -70 to 650 ℃ Temperature Range(Connector) -76 to 500 °F -60 to 260 ℃ Temperature Response [4] See Graph See Graph Hazardous Area Approval See Manual See Manual Radiation Exposure Limit(Integrated 1E10 N/cm² 1E10 N/cm² Neutron Flux) Radiation Exposure Limit(Integrated 1E8 rad 1E8 rad Gamma Flux) Electrical Differential Differential **Output Polarity** Capacitance(with cable pin - pin) 150 pF 150 pF [4] Resistance(Pin-Pin)(Room Temp) ≥ 10¹² Ohm ≥ 10¹² Ohm Resistance(Pin-Case)(Room Temp) ≤ 10¹² Ohm ≤ 10¹² Ohm Resistance(Pin-Pin)(1200°F/650°C) ≥ 50,000 Ohm ≥ 50,000 Ohm Resistance(Pin-Case)(1200°F/650°C) ≥ 100,000 Ohm ≥ 100.000 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** 7/16-27 2-Pin 7/16-27 2-Pin Hardline Hardline Cable Type Cable Length 10 ft 3 m Weight(with cable) 4.6 oz 130 gm [4]

Typical Sensitivity Deviation vs Temperature







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.

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

SUPPLIED ACCESSORIES:

Model 060A59 Mounting Adaptor, 20 mm Hex, M18 x 1.5 Threads (1)

Entered: ND	Engineer: RPF	Sales: DPC	Approved: RPF	Spec Number:
Date: 10/12/2023	Date: 10/12/2023	Date: 10/12/2023	Date: 10/12/2023	57333



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