Model	Number			
176A07				

CHARGE OUTPUT PRESSURE SENSOR

Revision: C ECN #: 55057

ENGLISH	SI	
7 pC/psi	101.5 pC/bar	
	50 bar	
≥ 100 kHz	≥ 100 kHz	
> 15 kHz	> 15 kHz	
20,000 Hz	20,000 Hz	[1]
≤ 1 % FS	≤ 1 % FS	[2]
0.01 psi/g	0.0069 bar/g	[3]
0.004 psi/g	0.00028 bar/g	[4]
-94 to 1,200 °F	-70 to 650 ℃	
-76 to 900 °F	-60 to 483 ℃	
See Graph	See Graph	[4]
1E10 N/cm ²	1E10 N/cm ²	
1E8 rad	1E8 rad	
Positive	Positive	
250 pF	250 pF	[4]
≥ 10 ¹² Ohm	≥ 10 ¹² Ohm	
≥ 10 ¹² Ohm	≥ 10 ¹² Ohm	
≥ 50 kohm	≥ 50 kohm	
≥ 50 kohm	≥ 50 kohm	
See Graph	See Graph	
UHT-12™	UHT-12™	
Compression	Compression	
Nickel Alloy	Nickel Alloy	
Welded Hermetic	Welded Hermetic	
Hardline	Hardline	
3.0 ft	0.91 m	
2.0 oz	57 gm	[4]
	7 pC/psi 725 psi 4,000 psi ≥ 100 kHz > 15 kHz 20,000 Hz ≤ 1 % FS 0.01 psi/g 0.004 psi/g -94 to 1,200 °F -76 to 900 °F See Graph 1E10 N/cm² 1E8 rad Positive 250 pF ≥ 10 12 Ohm ≥ 50 kohm ≥ 50 kohm ≥ 50 kohm See Graph See Graph See Graph See Graph UHT-12™ Compression Nickel Alloy Welded Hermetic Hardline 3.0 ft	7 pC/psi 5 pc/bar 5 pc/bar 5 pc/bar 5 pc/psar 5 pc/p

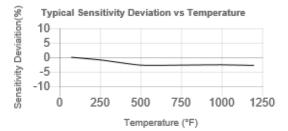
OPTIONAL VERSIONS

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

- [1] Upper frequency response is calculated from Resonant Frequency.
- [2]Zero-based, least-squares line method.
- [3]Maximum.

[5]See PCB Declaration of Conformance PS058 for details.

CA UK CA



SUPPLIED ACCESSORIES: Model 060A25 Clamp Nut (1)

Model 40890-04 Silver Plate, SS, Seal (3)

Model PCS-1 Calibration of dynamic pressure sensors at 100% full scale, max 15 kpsi range.

Entered: ND	Engineer: AJA	Sales: MV	Approved: RPF	Spec Number:
Date: 08/05/2024	Date: 08/05/2024	Date: 08/05/2024	Date: 08/05/2024	75188



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. Phone: 716-684-0001
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