

Model Number
119B12

CHARGE OUTPUT PRESSURE SENSOR

Revision: D
ECN #: 27048

	ENGLISH	SI	
Performance			
Sensitivity(± 15 %)	0.25 pC/psi	0.036 pC/kPa	
Measurement Range	0 to 120,000 psi	0 to 827,000 kPa	
Maximum Pressure	125 kpsi	862,000 kPa	
Resolution	≤ 1 psi	≤ 7 kPa	
Resonant Frequency	≥ 400 kHz	≥ 400 kHz	
Rise Time(Reflected)	≤ 2 μ sec	≤ 2 μ sec	
Non-Linearity	≤ 2 % FS	≤ 2 % FS	[2]
Environmental			
Acceleration Sensitivity	≤ 0.02 psi/g	≤ 0.015 kPa/(m/s ²)	
Temperature Range(Operating)	-300 to 400 °F	-184 to 204 °C	
Temperature Coefficient of Sensitivity	≤ 0.07 %/°F	≤ 0.126 %/°C	
Maximum Flash Temperature	4000 °F	2204 °C	
Maximum Vibration	2000 g pk	19,614 m/s ² pk	
Maximum Shock	50,000 g pk	490,330 m/s ² pk	
Electrical			
Output Polarity(Positive Pressure)	Negative	Negative	[1]
Capacitance	20 pF	20 pF	
Insulation Resistance(at room temp)	≥ 1E12 ohm	≥ 1E12 ohm	
Physical			
Sensing Element	Quartz	Quartz	
Housing Material	C-300	C-300	
Diaphragm	C-300	C-300	[3]
Sealing	Epoxy	Epoxy	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	.5 oz	14 gm	

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.
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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.

H - Hermetic Seal		
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel
Maximum Shock	20,000 g pk	196,200
Sealing	Welded Hermetic	Welded Hermetic

M - Metric Mount

P - Positive Output Polarity

W - Water Resistant Cable

NOTES:

- [1] Nominal.
- [2] Zero-based, least-squares, straight line method.
- [3] Ceramic coated.

SUPPLIED ACCESSORIES:

Model 065A06 Seal ring 0.318" OD x 0.250" ID x 0.010" thk 316L SS material (3)

Entered: BLS	Engineer: RF	Sales: DPC	Approved: RF	Spec Number:
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