

Model Number 119B12	<b>CHARGE OUTPUT PRESSURE SENSOR</b>		Revision: D ECN #: 27048
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>OPTIONAL VERSIONS</b>
Sensitivity(± 15 %)	0.25 pC/psi	0.036 pC/kPa	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Measurement Range	0 to 120,000 psi	0 to 827,000 kPa	<b>H - Hermetic Seal</b>
Maximum Pressure	125 kpsi	862,000 kPa	Housing Material                      17-4 Stainless Steel                      17-4 Stainless Steel
Resolution	≤ 1 psi	≤ 7 kPa	Maximum Shock                      20,000 g pk                      196,200
Resonant Frequency	≥ 400 kHz	≥ 400 kHz	Sealing                      Welded Hermetic                      Welded Hermetic
Rise Time(Reflected)	≤ 2 μ sec	≤ 2 μ sec	<b>M - Metric Mount</b>
Non-Linearity	≤ 2 % FS	≤ 2 % FS	<b>P - Positive Output Polarity</b>
<b>Environmental</b>			<b>W - Water Resistant Cable</b>
Acceleration Sensitivity	≤ 0.02 psi/g	≤ 0.015 kPa/(m/s <sup>2</sup> )	<b>NOTES:</b>
Temperature Range(Operating)	-300 to 400 °F	-184 to 204 °C	[1] Nominal.
Temperature Coefficient of Sensitivity	≤ 0.07 %/°F	≤ 0.126 %/°C	[2] Zero-based, least-squares, straight line method.
Maximum Flash Temperature	4000 °F	2204 °C	[3] Ceramic coated.
Maximum Vibration	2000 g pk	19,614 m/s <sup>2</sup> pk	<b>SUPPLIED ACCESSORIES:</b>
Maximum Shock	50,000 g pk	490,330 m/s <sup>2</sup> pk	Model 065A06 Seal ring 0.318" OD x 0.250" ID x 0.010" thk 316L SS material (3)
<b>Electrical</b>			Entered: BLS    Engineer: RF    Sales: DPC    Approved: RF    Spec Number:
Output Polarity(Positive Pressure)	Negative	Negative	Date: 8-11-07    Date: 8-7-07    Date: 8-7-07    Date: 8-7-07    20688
Capacitance	20 pF	20 pF	
Insulation Resistance(at room temp)	≥ 1E12 ohm	≥ 1E12 ohm	
<b>Physical</b>			
Sensing Element	Quartz	Quartz	
Housing Material	C-300	C-300	
Diaphragm	C-300	C-300	
Sealing	Epoxy	Epoxy	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	.5 oz	14 gm	
<p>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.            ICP® is a registered trademark of PCB Group, Inc.</p>			
<p><b>PCB PIEZOTRONICS™</b>            PRESSURE DIVISION            3425 Walden Avenue, Depew, NY 14043</p>			<p>Phone: 716-684-0001            Fax: 716-686-9129            E-Mail: pressure@pcb.com</p>



Represented in India by  
**Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com**

#4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029