



Model Number 208A11		ICP® FORCE SENSOR				Revision: K ECN #: 45224	
Performance		ENGLISH	SI	OPTIONAL VERSIONS			
Sensitivity(± 15 %)		500 mV/lb	112,404 mV/kN	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(Compression)		10 lb	0.04448 kN				
Measurement Range(Tension)		10 lb	0.04448 kN				
Maximum Static Force(Compression)		60 lb	0.270 kN				
Maximum Static Force(Tension)		60 lb	0.270 kN				
Broadband Resolution(1 to 10,000 Hz)		0.0001 lb-rms	0.0004448 N-rms	N - Negative Output Polarity			
Low Frequency Response(-5 %)		0.01 Hz	0.01 Hz	Output Polarity(Compression)			
Upper Frequency Limit		36,000 Hz	36,000 Hz	Negative			
Non-Linearity		≤ 1 % FS	≤ 1 % FS	Negative			
Environmental				W - Water Resistant Cable			
Temperature Range		-65 to +250 °F	-54 to +121 °C	Electrical Connector			
Temperature Coefficient of Sensitivity		≤ 0.05 %/°F	≤ 0.09 %/°C	Sealed Cable			
Electrical				Sealed Cable			
Discharge Time Constant(at room temp)		≥ 50 sec	≥ 50 sec				
Excitation Voltage		18 to 30 VDC	18 to 30 VDC				
Constant Current Excitation		2 to 20 mA	2 to 20 mA				
Output Impedance		≤ 100 Ohm	≤ 100 Ohm				
Output Bias Voltage		8 to 12 VDC	8 to 12 VDC				
Output Polarity(Compression)		Positive	Positive				
Physical							
Stiffness		6 lb/μin	1.05 kN/μm				
Size (Hex x Height)		0.625 in x 1.17 in	15.88 mm x 29.7 mm				
Weight		0.80 oz	22.7 gm				
Housing Material		Stainless Steel	Stainless Steel				
Sealing		Epoxy	Epoxy				
Electrical Connector		10-32 Coaxial Jack	10-32 Coaxial Jack				
Electrical Connection Position		Axial	Axial				
							
<p>All specifications are at room temperature unless otherwise specified.</p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>		<div><div></div><div><p>Phone: 716-684-0001</p><p>Fax: 716-684-0987</p><p>E-Mail: info@pcb.com</p></div></div>					