

Model Number <b>208C02</b>		<b>ICP® FORCE SENSOR</b>		Revision: K ECN #: 46791
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>		<b>OPTIONAL VERSIONS</b>
Sensitivity(± 15 %)	50 mV/lb	11,241 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)	100 lb	0.4448 kN		<b>N</b> - Negative Output Polarity Output Polarity(Compression) <span style="float: right;">Negative                  Negative</span>
Measurement Range(Tension)	100 lb	0.4448 kN		
Maximum Static Force(Compression)	600 lb	2.669 kN		
Maximum Static Force(Tension)	500 lb	2.224 kN		
Broadband Resolution(1 to 10,000 Hz)	0.001 lb-rms	0.004 N-rms	[1]	<b>TLD</b> - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4 Output Bias Voltage <span style="float: right;">8 to 15 VDC                  8 to 15 VDC</span>
Low Frequency Response(-5 %)	0.001 Hz	0.001 Hz	[2]	
Upper Frequency Limit	36 kHz	36 kHz	[3]	<b>W</b> - Water Resistant Cable
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[4]	
<b>Environmental</b>				
Temperature Range	-65 to +250 °F	-54 to +121 °C		
Temperature Coefficient of Sensitivity	≤ 0.05 %/°F	≤ 0.09 %/°C		
<b>Electrical</b>				
Discharge Time Constant(at room temp)	≥ 500 sec	≥ 500 sec		<b>NOTES:</b> [1] Typical. [2] Calculated from discharge time constant. [3] Estimated using rigid body dynamics calculations. [4] Zero-based, least-squares, straight line method. [5] See PCB Declaration of Conformance PS023 for details.
Excitation Voltage	20 to 30 VDC	20 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 14 VDC	8 to 14 VDC		
Spectral Noise(1 Hz)	0.000135 lb/√Hz	0.000603 N/√Hz	[1]	
Spectral Noise(10 Hz)	0.0000276 lb/√Hz	0.000123 N/√Hz	[1]	
Spectral Noise(100 Hz)	0.0000096 lb/√Hz	0.0000427 N/√Hz	[1]	
Spectral Noise(1 kHz)	0.0000021 lb/√Hz	0.0000095 N/√Hz	[1]	
Output Polarity(Compression)	Positive	Positive		
<b>Physical</b>				<b>SUPPLIED ACCESSORIES:</b> Model 080A81 Thread Locker (1) Model 081B05 Mounting Stud (10-32 to 10-32) (2) Model 084A03 Impact Cap (1) Model M081A62 Mounting stud, 10-32 to M6 x 1, BeCu with shoulder (2)
Stiffness	6 lb/μin	1.05 kN/μm	[1]	
Size (Hex x Height x Sensing Surface)	0.625 in x 0.625 in x 0.500 in	15.88 mm x 15.88 mm x 12.7 mm		
Weight	0.80 oz	22.7 gm		
Housing Material	Stainless Steel	Stainless Steel		
Sealing	Hermetic	Hermetic		
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack		
Electrical Connection Position	Side	Side		
Mounting Thread	10-32 Female	10-32 Female		

Entered: LK	Engineer: DK	Sales: RM	Approved: BAM	Spec Number:
Date: 5/11/2017	Date: 5/11/2017	Date: 5/11/2017	Date: 5/11/2017	<b>8467</b>



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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