




Model Number 200B02		ICP® FORCE SENSOR		Revision: H ECN #: 31200											
Performance		ENGLISH	SI	OPTIONAL VERSIONS											
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		N - Negative Output Polarity											
Maximum Static Force(Compression)	600 lb	2.669 kN		Output Polarity(Compression)	Negative Negative										
Broadband Resolution(1 to 10,000 Hz)	0.002 lb-rms	0.008896 N-rms	[1]	W - Water Resistant Cable											
Low Frequency Response(-5 %)	0.001 Hz	0.001 Hz	[2]	Electrical Connector	Sealed Cable Sealed Cable										
Upper Frequency Limit	75 kHz	75 kHz	[3]	Electrical Connection Position	Side Side										
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[4]												
Environmental				NOTES:											
Temperature Range	-65 to +250 °F	-54 to +121 °C		[1] Typical.											
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°C		[2] Zero-based, least-squares, straight line method.											
Electrical				[3] Estimated using rigid body dynamics calculations.											
Discharge Time Constant(at room temp)	≥ 500 sec	≥ 500 sec		[4] Calculated from discharge time constant.											
Excitation Voltage	20 to 30 VDC	20 to 30 VDC		[5] See PCB Declaration of Conformance PS023 for details.											
Constant Current Excitation	2 to 20 mA	2 to 20 mA		SUPPLIED ACCESSORIES:											
Output Impedance	≤ 100 ohm	≤ 100 ohm		Model 080A81 Thread Locker (1)											
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC		Model 081B05 Mounting Stud (10-32 to 10-32) (1)											
Output Polarity(Compression)	Positive	Positive		Model 084A83 Impact Pad (1)											
Physical				Model M081A62 Mounting stud, 10-32 to M6 x 1, BeCu with shoulder (1)											
Stiffness	11 lb/μin	1.9 kN/μm	[1]												
Size (Diameter x Height x Sensing Surface)	0.650 in x 0.360 in x 0.500 in	16.51 mm x 9.14 mm x 12.7 mm													
Weight	0.5 oz	14 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													
 [5]		<table border="1"> <tr> <td>Entered: <i>JH</i></td> <td>Engineer: <i>MR</i></td> <td>Sales: <i>KEW</i></td> <td>Approved: <i>EB</i></td> <td>Spec Number:</td> </tr> <tr> <td>Date: <i>8-17-09</i></td> <td>Date: <i>7-29-09</i></td> <td>Date: <i>7-29-09</i></td> <td>Date: <i>7-29-09</i></td> <td>200-2020-80</td> </tr> </table>				Entered: <i>JH</i>	Engineer: <i>MR</i>	Sales: <i>KEW</i>	Approved: <i>EB</i>	Spec Number:	Date: <i>8-17-09</i>	Date: <i>7-29-09</i>	Date: <i>7-29-09</i>	Date: <i>7-29-09</i>	200-2020-80
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 [5]				Phone: 716-684-0001 Fax: 716-684-8877 E-Mail: force@pcb.com											
<i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i>		3425 Walden Avenue, Depew, NY 14043													
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