

Model Number 206C	ICP® FORCE		Revision: D ECN #: 17667										
Performance	ENGLISH	SI	OPTIONAL VERSIONS										
Sensitivity ($\pm 15\%$)	0.06 mV/lb	13.5 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)	80,000 lb	355.86 kN											
Maximum Static Force (Compression)	90,000 lb	400.34 kN											
Broadband Resolution (1 to 10,000 Hz)	1.8 lb-rms	8.0 N-rms	M - Metric Mount										
Low Frequency Response (-5%)	0.0003 Hz	0.0003 Hz	Supplied Accessory: Model M081A16 Mounting Stud, M22 x 2.00 x 1.900, BeCu (1)										
Upper Frequency Limit	40 kHz	40 kHz	Supplied Accessory: Model M083B06 Pilot Bushing (1)										
Non-Linearity	$\leq 1\%$ FS	$\leq 1\%$ FS											
Environmental			N - Negative Output Polarity										
Temperature Range	-65 to +250 °F	-54 to +121 °C	Output Polarity (Compression) Negative Negative										
Temperature Coefficient of Sensitivity	$\leq 0.11\%$ /°F	$\leq 0.198\%$ /°C											
Electrical			W - Water Resistant Cable										
Discharge Time Constant (at room temp)	≥ 2000 sec	≥ 2000 sec	Electrical Connector Sealed Cable Sealed Cable										
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	Electrical Connection Position Side Side										
Constant Current Excitation	2 to 20 mA	2 to 20 mA											
Output Impedance	≤ 100 ohms	≤ 100 ohms											
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC											
Spectral Noise (1 Hz)	0.16 lb/√Hz	0.71 N/√Hz	NOTES:										
Spectral Noise (10 Hz)	0.050 lb/√Hz	0.22 N/√Hz	[1] Typical.										
Spectral Noise (100 Hz)	0.014 lb/√Hz	0.0625 N/√Hz	[2] Calculated from discharge time constant.										
Spectral Noise (1 kHz)	0.0036 lb/√Hz	0.0160 N/√Hz	[3] Estimated using rigid body dynamics calculations.										
Output Polarity (Compression)	Positive	Positive	[4] Zero-based, least-squares, straight line method.										
			[5] See PCB Declaration of Conformance PS023 for details.										
Physical													
Preload	16,000 lb	71.172 kN											
Stiffness	74 lb/μin	13 kN/μm											
Size (Diameter x Height x Bolt Diameter x Sensing Surface)	2.05 in x 0.590 in x 1 in x 1.750 in	52.1 mm x 15 mm x 24 mm x 44.4 mm											
Size (ID) (Hole Diameter)	1.025 in	26 mm											
Size (OD) (Sensor)	2.05 in	52 mm											
Weight	5.5 oz	155 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											
													
[5] 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.													
SUPPLIED ACCESSORIES: Model 080A82 Assembly Lubricant (1) Model 081A16 Mounting Stud, 7/8-14 x 1.900, BeCu (1) Model 082B06 Anti-Friction Washer (1) Model 083B06 Pilot Bushing (for Models 206C and 216B) (1)													
ICP® Force <table border="1"> <tr> <td>Entered: <i>RLB</i></td> <td>Engineer: <i>RLB</i></td> <td>Sales: <i>JPM</i></td> <td>Approved: <i>mgk</i></td> <td>Spec Number:</td> </tr> <tr> <td>Date: <i>6/3/03</i></td> <td>Date: <i>6/3/03</i></td> <td>Date: <i>6/3/03</i></td> <td>Date: <i>6/3/03</i></td> <td>5875</td> </tr> </table>				Entered: <i>RLB</i>	Engineer: <i>RLB</i>	Sales: <i>JPM</i>	Approved: <i>mgk</i>	Spec Number:	Date: <i>6/3/03</i>	Date: <i>6/3/03</i>	Date: <i>6/3/03</i>	Date: <i>6/3/03</i>	5875
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