



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]	NOTES:		
Environmental				[1] Typical.		
Temperature Range	-65 to +250 °F	-54 to +121 °C		[2] Zero-based, least-squares, straight line method.		
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°C		[3] Estimated using rigid body dynamics calculations.		
Electrical				[4] Calculated from discharge time constant.		
Discharge Time Constant(at room temp)	≥ 500 sec	≥ 500 sec		[5] See PCB Declaration of Conformance PS023 for details.		
Excitation Voltage	20 to 30 VDC	20 to 30 VDC		SUPPLIED ACCESSORIES:		
Constant Current Excitation	2 to 20 mA	2 to 20 mA		Model 080A81 Thread Locker (1)		
Output Impedance	≤ 100 ohm	≤ 100 ohm		Model 081B05 Mounting Stud (10-32 to 10-32) (1)		
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC		Model 084A83 Impact Pad (1)		
Output Polarity(Compression)	Positive	Positive		Model M081A62 Mounting stud, 10-32 to M6 x 1, BeCu with shoulder (1)		
Physical				Entered: <i>JH</i> Engineer: <i>MR</i> Sales: <i>KEW</i> Approved: <i>EB</i> Spec Number:		
Stiffness	11 lb/μin	1.9 kN/μm	[1]	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		
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		 PCB PIEZOTRONICS™ FORCE / TORQUE DIVISION 3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-684-8877 E-Mail: force@pcb.com		
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]		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.						



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