


Model Number 210B20	CHARGE OUTPUT FORCE SENSOR				Revision: F ECN #: 25911
Performance	ENGLISH	SI			OPTIONAL VERSIONS
Sensitivity(± 15 %)	18 pC/lb	4047 pC/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)	≤ 20,000 lb	≤ 88.96 kN			
Maximum Static Force(Compression)	30,000 lb	133.45 kN			
Upper Frequency Limit	40 kHz	40 kHz	[2][3]		M - Metric Mount
Non-Linearity	≤ 2 % FS	≤ 2 % FS	[4]		Supplied Accessory : Model 080A81 Thread Locker
Environmental					Supplied Accessory : Model 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28)
Temperature Range	-300 to +400 °F	-184 to +204 °C			Supplied Accessory : Model 084B23 Impact cap, convex (for Model 200C20)
Temperature Coefficient of Sensitivity	≤ 0.03 %/°F	≤ 0.054 %/°C			Supplied Accessory : Model M081B21 Mounting stud, 1/4-28 to M6 x 0.75", BeCu, no shoulder
Electrical					P - Positive Output Polarity
Capacitance	≥ 90 pF	≥ 90 pF	[1]		Output Polarity(Compression) Positive
Insulation Resistance	≥ 1E12	≥ 1E12			W - Water Resistant Cable
Output Polarity	Negative	Negative			Electrical Connector Molded Integral Cable
Physical					Electrical Connection Position Side
Stiffness	63 lb/μin	11 kN/μm	[1]		
Size (Diameter x Height)	1.5 in x 0.5 in	38.1 mm x 12.7 mm			
Weight	3.1 oz	88 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	1/4-28 Female	1/4-28 Female			
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p><i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>					
SUPPLIED ACCESSORIES:					
Model 080A81 Thread Locker Model 081A06 Mounting stud, 1/4-28 to 1/4-28 x .37 in. long, BeCu, no shoulder Model 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28) Model 084B23 Impact cap, convex (for Model 200C20)					
Entered: <i>BLS</i>	Engineer: <i>DMB</i>	Sales: <i>DFC</i>	Approved: <i>mgic</i>	Spec Number:	
Date: <i>2-27-07</i>	Date: <i>2/28/07</i>	Date: <i>2/28/07</i>	Date: <i>2-28-07</i>	210-2200-80	
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