Model Number		Revision: C
202B	**ICP® FORCE**	ECN #: 15530

Performance	**ENGLISH**	**SI**	
Sensitivity (±15 %)	0.50 mV/lb	112.4 mV/kN	
Measurement Range (Compression)	10000 lb	44.48 kN	
Maximum Static Force (Compression)	15000 lb	66.72 kN	
Broadband Resolution (1 to 10000 Hz)	0.20 lb-rms	0.890 N-rms	[1]
Low Frequency Response (-5 %)	0.0003 Hz	0.0003 Hz	[2]
Upper Frequency Limit	60 kHz	60 kHz	[3]
Non-Linearity	≤1 % FS	≤1 % FS	[4]
Environmental			
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Temperature Coefficient of Sensitivity	≤0.03 %/°F	≤ 0.054 %/°C	
Electrical			
Discharge Time Constant (at room temp)	≥2000 sec	≥2000 sec	
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	
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	
Output Polarity (Compression)	Positive	Positive	
Physical			
Preload	2000 lb	8.896 kN	
Stiffness	16 lb/µin	2.8 kN/µm	[1]
Size (Diameter x Height x Bolt Diameter x ID x OD x Sensing Surface)	0.870 in x 0.390 in x 0.375 in x 0.413 in x 0.870 in x 0.665 in	22.1 mm x 9.91 mm x 10 mm x 10.49 mm x 22.10 mm x 16.89 mm	
Weight	0.67 oz	19 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	

CE [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.

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OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

M - Metric Mount
Supplied Accessory : Model M081A12 Mounting Stud, M8 x 1.00, BeCu (1) replaces Model 081A12
Supplied Accessory : Model M083B02 Pilot Bushing (1) replaces Model 083B02

N - Negative Output Polarity

Output Polarity (Compression)	Negative	Negative

W - Water Resistant Cable

Electrical Connector	Sealed Cable	Sealed Cable
Electrical Connection Position	Side	Side

NOTES:
[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.

SUPPLIED ACCESSORIES:
Model 080A82 Assembly Lubricant (1)
Model 081A12 Mounting Stud, 5/16-24 x 0.910, BeCu (1)
Model 082B02 Anti-Friction Washer (1)
Model 083B02 Pilot Bushing (for Models 202B and 212B) (1)

Entered: ZaB	Engineer: KAB	Sales: JM	Approved: DMB	Spec Number:
Date: 8/6/02	Date: 8/6/02	Date: 8/7/02	Date: 8/6/02	**1122**

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