



SPECIFICATIONS

Voltage Output Force Transducer

Model No.
208B04

Revisions

DYNAMIC PERFORMANCE

Range:	Compression	lb [kN]	1000 [4,448]	
	Tension	lb [kN]	500 [2,224]	
Maximum Force:	Compression	lb [kN]	10000 [44,48]	
	Tension	lb [kN]	750 [3,336]	
Resolution		lb [kN]	0.02 [8,896 E-5]	
Sensitivity		mV/lb [mV/kN]	5 [1124,1]	
Resonant Frequency		kHz	70	[5]
Rise Time		μ sec	10	
Discharge Time Constant		sec	≥2000	[1]
Low Frequency Response (-5%)		Hz	0.0003	[3]
Amplitude Non-Linearity		% F.S.	1	[2]
Stiffness		lb/μin [kN/μm]	10 [1,75]	

ENVIRONMENTAL

Temperature Range		°F [°C]	-65 to +250 [-54 to +121]	
Temperature Coefficient		%/°F [%/°C]	≤0.03 [≤0,054]	
Vibration		±g pk [±m/s ² pk]	2000 [19 620]	[4]
Shock		±g pk [±m/s ² pk]	10000 [98 100]	[4]

ELECTRICAL

Full Scale Output		+ volt	5	[6]
Output Impedance		ohm	≤100	
Output Bias		+ volt	8 to 14	
Excitation:	Voltage	+ VDC	24 to 27	
	Constant Current	mA	2 to 20	
Polarity		compression	Positive	

MECHANICAL

Dimensions		in [mm]	0.625 x 0.625 [15,88 x 15,88]	
Weight		oz [grams]	0.93 [26]	
Housing		material	Stainless Steel	
Connector		type	10-32 Coaxial Jack	
Connector Orientation		position	Side	
Mating Connector Required		type	10-32 Coaxial Plug	
Sealing		type	Epoxy	

NOTES:

- | | |
|--|-------------------------------------|
| [1] At room temperature. | [4] Maximum without mass load. |
| [2] Zero based best straight line. | [5] Measured, mounted and unloaded. |
| [3] Calculated from discharge time constant. | [6] At specified measurement range. |

SUPPLIED ACCESSORIES: Metric Installation

- Model M081B05 Mounting Stud (2)
- Model 084A03 Impact Cap (1)
- Model 080A81 Thread Locker (1)

SUPPLIED ACCESSORIES: English Installation

- Model 081B05 Mounting Stud (2)
- Model 084A03 Impact Cap (1)
- Model 080A81 Thread Locker (1)

Drawn	<i>[Signature]</i>	FEB 17, 95	Spec No.	2357
Engineer	<i>[Signature]</i>	2-27-95		
Sales	<i>[Signature]</i>	2/27/95	Sheet 1 of 1	
Approved	<i>[Signature]</i>	3/3/95		