

Performance	ENGLISH	SI	
Sensitivity(± 15 %)	10 mV/lbf	2,25 mV/N	
Measurement Range	± 500 lbf pk	± 2,224 N pk	
Frequency Range(- 10 dB)(Hard Tip)	8,000 Hz	8,000 Hz	[1][2]
Frequency Range(- 10 dB)(Medium Tip)	2,500 Hz	2,500 Hz	[1][2]
Resonant Frequency	≥ 10 kHz	≥ 10 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	
<b>Electrical</b>			
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤ 100 Ohm	≤ 100 Ohm	[1]
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Discharge Time Constant	≥ 2,000 sec	≥ 2,000 sec	[1]
<b>Physical</b>			
Sensing Element	Quartz	Quartz	
Sealing	Epoxy	Epoxy	
Hammer Mass	3.5 oz	100 gm	[1]
Head Diameter	0.625 in	15.9 mm	
Tip Diameter	0.25 in	6.4 mm	
Size - Height	6.6 in	167.6 mm	
Extender Mass Weight	2.8 oz	80 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	

**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.

**NOTES:**  
 [1]Typical.  
 [2]Varies depending on test structure. These values are from hitting a stiff steel mass. Hammer did not have extender mass attached.  
 [3]See PCB Declaration of Conformance PS068 for details.

**SUPPLIED ACCESSORIES:**  
 Model 070A41 Modal punch connector adapter, 10-32 connector (1)  
 Model 084A20 Special steel tip, 2" x 1/8" dia. (for Modal punch only) (1)  
 Model 084A80 Modal punch extender, 6" (1)  
 Model 084B03 Hard Tip- Hard (S.S) (1)  
 Model 084B04 Hammer Tip- Medium (White Plastic) (1)  
 Model 085A10 Vinyl Cover For Medium Tip (Blue) (1)  
 Model 085A25 Foam Grip (1)  
 Model HCS-2 Calibration of Series 086 instrumented impact hammers (1)

Entered: ND	Engineer: NJF	Sales: KK	Approved: NJF	Spec Number:
Date: 12/27/2023	Date: 12/27/2023	Date: 12/27/2023	Date: 12/27/2023	088-1010-80

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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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