

Performance	ENGLISH	SI	
Sensitivity(± 15 %)	1 mV/lbf	0.23 mV/N	
Measurement Range	± 5,000 lbf pk	± 22,000 N pk	
Frequency Range(- 10 dB)(Hard Tip)	1,000 Hz	1,000 Hz	[1][2]
Resonant Frequency	≥ 12 kHz	≥ 12 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	≥ 1,400 sec	≥ 1,400 sec	[1]
<b>Physical</b>			
Sensing Element	Quartz	Quartz	
Sealing	Hermetic	Hermetic	
Hammer Mass	2.4 lb	1.1 kg	
Head Diameter	2.0 in	5.1 cm	
Tip Diameter	2.0 in	5.1 cm	
Hammer Length	14.5 in	37 cm	
Electrical Connection Position	Bottom of Handle	Bottom of Handle	
Electrical Connector	BNC Jack	BNC Jack	
Cable Type	050 2-cond	050 2-cond	
Cable Length	10 ft	3.05 m	

**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.

**SUPPLIED ACCESSORIES:**  
 Model 084B63 Tip, 2", Med./Hard, Red/Black (3)  
 Model HCS-2 Calibration of Series 086 instrumented impact hammers (1)

Entered: ND	Engineer: GD	Sales: BS	Approved: BAM	Spec Number:
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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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