

Performance	ENGLISH	SI	
Sensitivity(± 15 %)	1 mV/lbf	0.23 mV/N	
Measurement Range	± 5,000 lbf pk	± 22,240 N pk	
Resonant Frequency	≥ 5 kHz	≥ 5 kHz	
Non-Linearity	≤ 1 %	≤ 1 %	
Electrical			
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]
Physical			
Sensing Element	Quartz	Quartz	
Sealing	Hermetic	Hermetic	
Hammer Mass	12.1 lb	5.5 kg	
Head Diameter	3.0 in	7.6 cm	
Tip Diameter	3.0 in	7.6 cm	
Hammer Length	35 in	89 cm	
Electrical Connection Position	Bottom of Handle	Bottom of Handle	
Electrical Connector	BNC Jack	BNC 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.

T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4

Output Bias Voltage	8.5 to 15 VDC	8.5 to 15 VDC
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NOTES:

[1]Typical.

[2]See PCB Declaration of Conformance PS136 for details.

SUPPLIED ACCESSORIES:

Model 084B31 Tip, 3", Soft, Orange (1)

Model 084B32 Tip, 3", Med./Hard, Red (1)

Model HCS-2 Calibration of Series 086 instrumented impact hammers (1)

Entered: ND	Engineer: GD	Sales: BS	Approved: BAM	Spec Number:
Date: 03/12/2025	Date: 03/12/2025	Date: 03/12/2025	Date: 03/12/2025	12993



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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