Model Number **086C41**	**ICP® IMPACT HAMMER**	Revision C ECN #: 32387

Performance	**ENGLISH**	**SI**	
Sensitivity (±15 %)	1 mV/lbf	0.23 mV/N	
Measurement Range	±5000 lbf pk	±22240 N pk	
Frequency Range (-10 dB) (Hard Tip)	1 kHz	1 kHz	[1][2]
Frequency Range (-10 dB) (Medium Tip)	700 Hz	700 Hz	[1][2]
Frequency Range (-10 dB) (Soft Tip)	450 Hz	450 Hz	[1][2]
Frequency Range (-10 dB) (Super Soft Tip)	400 Hz	400 Hz	[1][2]
Resonant Frequency	≥12 kHz	≥12 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	≥1400 sec	≥1400 sec	[1]
Physical			
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	

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 standard model except where noted below. More than one option maybe 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

084A60 Tip - super soft plastic, gray (1)
084A61 Tip - soft plastic, brown (1)
084A62 Tip - medium plastic, red (1)
084A63 Tip - hard plastic, black (1)
HCS-2 Calibration of Series 086 instrumented impact hammers (1)

Entered: LLH	Engineer: DJS	Sales: JJM	Approved: LLH	Spec Number:
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