

Model Number <b>086C41</b>	<b>ICP® IMPACT HAMMER</b>				Revision B ECN #: 21827
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>		<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)	
Sensitivity (±15 %)	1 mV/lbf	0.23 mV/N			
Measurement Range	±5000 lbf pk	±22000 N pk			
Frequency Range (-10 dB) (Hard Tip)	1 kHz	1 kHz	[1][2]	<b>Notes</b>	
Frequency Range (-10 dB) (Medium Tip)	700 Hz	700 Hz	[1][2]	[1] Typical.	
Frequency Range (-10 dB) (Soft Tip)	450 Hz	450 Hz	[1][2]	[2] Varies depending on test structure. These values are from hitting a stiff steel	
Frequency Range (-10 dB) (Super Soft Tip)	400 Hz	400 Hz	[1][2]	mass. Hammer did not have extender mass attached.	
Resonant Frequency	≥12 kHz	≥12 kHz			
Non-Linearity	≤1 %	≤1 %			
<b>Electrical</b>				<b>Supplied Accessories</b>	
Excitation Voltage	18 to 30 VDC	18 to 30 VDC		084A60 Tip - super soft plastic, gray (1)	
Constant Current Excitation	2 to 20 mA	2 to 20 mA		084A61 Tip - soft plastic, brown (1)	
Output Impedance	<100 Ohm	<100 Ohm	[1]	084A62 Tip - medium plastic, red (1)	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC		084A63 Tip - hard plastic, black (1)	
Discharge Time Constant	≥1400 sec	≥1400 sec	[1]	HCS-2 Calibration of Series 086 instrumented impact hammers (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			