

Model Number 086E80	ICP® IMPACT HAMMER	Revision: C ECN #: 44362
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	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 20 %)	100 mV/lbf	22.5 mV/N	[2]
Measurement Range	50 lbf pk	222 N pk	
Resonant Frequency	≥ 100 kHz	≥ 100 kHz	
Non-Linearity	≤ 1 %	≤ 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	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Discharge Time Constant	≥ 100 sec	≥ 100 sec	[1]
Physical			
Sensing Element	Quartz	Quartz	
Sealing	Epoxy	Epoxy	
Hammer Mass	0.17 oz	4.8 gm	[3]
Head Diameter	0.25 in	6.3 mm	
Tip Diameter	0.10 in	2.5 mm	
Hammer Length	4.2 in	107 mm	[3]
Electrical Connection Position	Side	Side	
Extender Mass Weight	0.044 oz	1.25 gm	
Electrical Connector	5-44 Coaxial	5-44 Coaxial	[4]

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]Steel tip with no extender mass.
 [3]With plastic handle attached.
 [4]With aluminum handle attached.
 [5]See PCB Declaration of Conformance PS136 for details.

SUPPLIED ACCESSORIES:

Model 001A20 Case (1)
 Model 018G10 Miniature coaxial cable, vinyl insulation jacket, 10-ft, 5-44 to 10-32 coaxial plug (1)
 Model 080A109 Petro Wax (1)
 Model 084A13 Extender mass (1)
 Model 084A14 Plastic handle assembly (2)
 Model 084A17 Aluminum handle with 5-44 connector (1)
 Model 084A28 Vinyl impact cap, red (3)
 Model HCS-2 Calibration of Series 086 instrumented impact hammers (1)



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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Entered: JM	Engineer: NJF	Sales: RWM	Approved: NJF	Spec Number:
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3425 Walden Avenue, Depew, NY 14043

Phone: 716-684-0001
Fax: 716-684-0987
E-Mail: info@pcb.com


 Represented in India by
Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com
 #4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029