

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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