

Model Number 086E80	ICP® IMPACT HAMMER				Revision: C ECN #: 44362
Performance	ENGLISH	SI			OPTIONAL VERSIONS
Sensitivity(± 20 %)	100 mV/lbf	22.5 mV/N	[2]		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
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]		NOTES:
Physical					[1]Typical.
Sensing Element	Quartz	Quartz			[2]Steel tip with no extender mass.
Sealing	Epoxy	Epoxy			[3]With plastic handle attached.
Hammer Mass	0.17 oz	4.8 gm	[3]		[4]With aluminum handle attached.
Head Diameter	0.25 in	6.3 mm			[5]See PCB Declaration of Conformance PS136 for details.
Tip Diameter	0.10 in	2.5 mm			
Hammer Length	4.2 in	107 mm	[3]		SUPPLIED ACCESSORIES:
Electrical Connection Position	Side	Side			Model 001A20 Case (1)
Extender Mass Weight	0.044 oz	1.25 gm			Model 018G10 Miniature coaxial cable, vinyl insulation jacket, 10-ft, 5-44 to 10-32 coaxial plug (1)
Electrical Connector	5-44 Coaxial	5-44 Coaxial	[4]		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)
 [5]				Entered: JM	Engineer: NJF
				Sales: RWM	Approved: NJF
				Spec Number:	
				Date: 6/29/2015	Date: 6/29/2015
				Date: 6/29/2015	Date: 6/29/2015
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[5]

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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