

Model Number

086E80

ICP® IMPACT HAMMER

Revision: B

ECN #: 32387

	ENGLISH	SI	
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]

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 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.

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)

Entered: JH	Engineer: JJS	Sales: JGM	Approved: EB	Spec Number:
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