

Model Number
086C05

ICP ® IMPULSE HAMMER

Revision: D
ECN #: 12958

DYNAMIC PERFORMANCE

Voltage Sensitivity	mV/lbf [mV/N]	1 [0,23]	(±15%)
Measurement Range (for ±5V output)	±lbf pk [±N pk]	5,000 [22 000]	
Frequency Range (-10 dB)			
Hard Tip (084B03)	Hz	5,000	[2] [1]
Medium Tip (084B04)	Hz	1,700	[2] [1]
Soft Tip (084B05)	Hz	250	[2] [1]
Super Soft Tip (084A50/51)	Hz	150	[2] [1]
Amplitude Linearity	%	<±1	
Resonant Frequency	kHz	≥28	

ELECTRICAL

Excitation Voltage/Constant Current	VDC/mA	18 to 30/2 to 20	
Output Impedance	ohms	<100	[1]
Output Bias	VDC	8 to 12	
Discharge Time Constant	sec	2,000	[1]

MECHANICAL

Sensing Element/Sealing	material/type	Quartz/Epoxy	
Hammer Mass	lb [kg]	0.70 [0,32]	
Head Diameter	in [cm]	1.0 [2,5]	
Tip Diameter	in [cm]	0.25 [0,63]	
Hammer Length	in [cm]	9.0 [22,7]	
Electrical Connector	type/location	BNC/Bottom of Handle	
Mass of Extender Mass (084A09)	oz [gm]	6.9 [196]	

NOTES:

- [1] Typical.
[2] Varies depending on test structure. These values are from hitting a stiff, steel mass. Hammer did not have extender mass attached.

SUPPLIED ACCESSORIES:

- Model 084A50/084A51 Super Soft Tip (1)
- Model 084B05 Soft Tip (1)
- Model 084B04 Medium Tip (1)
- Model 084B03 Hard Tip (1)
- Model 085A10 Tip Cover (4)
- Model 085A08 Tip Insert (4)
- Model 084A09 Extender, Steel (1)
- Model 081B05 Mounting Stud (2)
- Case (1)
- NIST Traceable Calibration Certificate

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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DD032 Rev.G 2/16/99



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Drawn:	Eng:	Sales:	Appd:	Spec Number:
Date:	Date:	Date:	Date:	15275