

Model Number 086D50	ICP® IMPACT HAMMER			Revision: H ECN #: 46036
Performance	ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 15 %)	1 mV/lbf	0.23 mV/N	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	± 5000 lbf pk	± 22,240 N pk		
Resonant Frequency	≥ 5 kHz	≥ 5 kHz		
Non-Linearity	≤ 1 %	≤ 1 %		
Electrical			TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4	
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	Output Bias Voltage	8.5 to 15 VDC 8.5 to 15 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	≥ 2000 sec	≥ 2000 sec		
Physical			NOTES:	
Sensing Element	Quartz	Quartz	[1] Typical.	
Sealing	Hermetic	Hermetic	[2] See PCB Declaration of Conformance PS136 for details.	
Hammer Mass	12.1 lb	5.5 kg		
Head Diameter	3.0 in	7.6 cm		
Tip Diameter	3.0 in	7.6 cm		
Hammer Length	35 in	89 cm		
Electrical Connection Position	Bottom of Handle	Bottom of Handle		
Electrical Connector	BNC Jack	BNC Jack		
			SUPPLIED ACCESSORIES:	
			Model 084A31 Tip - soft plastic, brown (1)	
			Model 084A32 Tip - hard plastic, red (1)	
			Model HCS-2 Calibration of Series 086 instrumented impact hammers (1)	
			Entered: LK	Engineer: BAM Sales: WDC Approved: BAM Spec Number:
			Date: 10/11/2016	Date: 10/11/2016 Date: 10/11/2016 Date: 10/11/2016 12993
				
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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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