Model Number	ICP® IMPACT HAMMER	Revision: G
086D05		ECN #: 32387

Performance	ENGLISH	SI	
Sensitivity(± 15 %)	1 mV/lbf	0.23 mV/N	
Measurement Range	± 5000 lbf pk	± 22,240 N pk	
Resonant Frequency	≥ 22 kHz	≥ 22 kHz	
Non-Linearity	≤ 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	[1]
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Discharge Time Constant	≥ 2000 sec	≥ 2000 sec	[1]
Physical			
Sensing Element	Quartz	Quartz	
Sealing	Epoxy	Epoxy	
Hammer Mass	0.7 lb	0.32 kg	
Head Diameter	1.0 in	2.5 cm	
Tip Diameter	0.25 in	0.63 cm	
Hammer Length	9.0 in	22.7 cm	
Electrical Connection Position	Bottom of Handle	Bottom of Handle	
Extender Mass Weight	7.0 oz	200 gm	
Electrical Connector	BNC Jack	BNC Jack	

CE [2]

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.

T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4

TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4

NOTES:
[1] Typical.
[2] See PCB Declaration of Conformance PS068 for details.

SUPPLIED ACCESSORIES:
Model 081B05 Mounting Stud (10-32 to 10-32) (2)
Model 084A09 Extender - steel, 1.0" diameter (1)
Model 084A50 Tip - super soft- Grey 15.101 1" 10SS (1)
Model 084A51 Adaptor for 084A50 (1)
Model 084B03 Hard Tip- Hard (S.S) (1)
Model 084B04 Hammer Tip- Medium (White Plastic) (1)
Model 084C05 Hammer Tip- Soft (Black) (2)
Model 085A10 Vinyl Cover For Medium Tip (Blue) (2)
Model HCS-2 Calibration of Series 086 instrumented impact hammers (1)

Entered:	Engineer:	Sales:	Approved:	Spec Number:
Date: 2/24/10	Date: 12/8/09	Date: 3/17/10	Date: 3/17/10	20713

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