

Model Number 086C01	ICP® IMPACT HAMMER	Revision: L ECN #: 48526
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	<u>ENGLISH</u>	<u>SI</u>
Performance		
Sensitivity(± 15 %)	50 mV/lbf	11.2 mV/N
Measurement Range	± 100 lbf pk	± 444 N pk
Resonant Frequency	≥ 15 kHz	≥ 15 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
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC
Discharge Time Constant	≥ 500 sec	≥ 500 sec
Physical		
Sensing Element	Quartz	Quartz
Sealing	Epoxy	Epoxy
Hammer Mass	0.23 lb	0.10 kg
Head Diameter	0.62 in	1.57 cm
Tip Diameter	0.25 in	0.63 cm
Hammer Length	8.5 in	21.6 cm
Electrical Connection Position	Bottom of Handle	Bottom of Handle
Extender Mass Weight	0.9 oz	25 gm
Electrical Connector	BNC Jack	BNC Jack

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.

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 084A06 Extender - aluminum, 0.6" diameter (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 084C11 Hammer Tip- Supersoft (Red) (2)
 Model 085A10 Vinyl Cover For Medium Tip (Blue) (2)
 Model HCS-2 Calibration of Series 086 instrumented impact hammers (1)

Entered: LK	Engineer: KW	Sales: AT	Approved: BAM	Spec Number:
Date: 8/9/2018	Date: 8/9/2018	Date: 8/9/2018	Date: 8/9/2018	9120



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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