

Model Number 086D20	ICP® IMPACT HAMMER	Revision: H ECN #: 44362
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	<u>ENGLISH</u>	<u>SI</u>
Performance		
Sensitivity(± 15 %)	1 mV/lbf	0.23 mV/N
Measurement Range	± 5000 lbf pk	± 22,240 N pk
Resonant Frequency	≥ 12 kHz	≥ 12 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	≥ 1400 sec	≥ 1400 sec
Physical		
Sensing Element	Quartz	Quartz
Sealing	Hermetic	Hermetic
Hammer Mass	2.4 lb	1.1 kg
Head Diameter	2.0 in	5.1 cm
Tip Diameter	2.0 in	5.1 cm
Hammer Length	14.5 in	37 cm
Electrical Connection Position	Bottom of Handle	Bottom of Handle
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.

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

Output Bias Voltage	8.5 to 15 VDC	8.5 to 15 VDC
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NOTES:
 [1]Typical.
 [2]See PCB Declaration of Conformance PS136 for details.

SUPPLIED ACCESSORIES:
 Model 084A60 Tip - super soft plastic, gray (1)
 Model 084A61 Tip - soft plastic, brown (1)
 Model 084A62 Tip - medium plastic, red (1)
 Model 084A63 Tip - hard plastic, black (1)
 Model HCS-2 Calibration of Series 086 instrumented impact hammers (1)

Entered: JM	Engineer: NJF	Sales: RWM	Approved: NJF	Spec Number:
Date: 6/29/2015	Date: 6/29/2015	Date: 6/29/2015	Date: 6/29/2015	12923



*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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