

Model Number

086D20

ICP® IMPACT HAMMER

Revision: G

ECN #: 32971

	<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	[1]
Output Impedance	<100 ohm	<100 ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Discharge Time Constant	≥ 1400 sec	≥ 1400 sec	[1]
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	

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

TLT - 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

NOTES:

[1] Typical.

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: JH	Engineer: BAN	Sales: WDC	Approved: EB	Spec Number:
Date: 5-20-10	Date: 5-12-10	Date: 5-12-10	Date: 5-14-10	12923

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