

Model Number
086D20

IMPACT HAMMER, ICP®

Revision G
ECN #: 32971

	ENGLISH	SI	
Performance			
Sensitivity (±15 %)	1 mV/lbf	0.23 mV/N	
Measurement Range	±5000 lbf pk	±22240 N pk	
Resonant Frequency	≥12 kHz	≥12 kHz	
Non-Linearity	≤1 %	≤1 %	
Electrical			
Excitration 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	≥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	

Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe 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
Notes
 [1] Typical.

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

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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Entered: LLH	Engineer: BAM	Sales: WDC	Approved: LLH	Spec Number:
Date: 05/20/2010	Date: 05/12/2010	Date: 05/12/2010	Date: 05/20/2010	12923



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