

Model Number  
**086D50**

# ICP® IMPACT HAMMER

Revision: H  
ECN #: 46036

<b>Performance</b>			<u>ENGLISH</u>	<u>SI</u>	
Sensitivity(± 15 %)			1 mV/lbf	0.23 mV/N	
Measurement Range			± 5000 lbf pk	± 22,240 N pk	
Resonant Frequency			≥ 5 kHz	≥ 5 kHz	
Non-Linearity			≤ 1 %	≤ 1 %	
<b>Electrical</b>					
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]
<b>Physical</b>					
Sensing Element			Quartz	Quartz	
Sealing			Hermetic	Hermetic	
Hammer Mass			12.1 lb	5.5 kg	
Head Diameter			3.0 in	7.6 cm	
Tip Diameter			3.0 in	7.6 cm	
Hammer Length			35 in	89 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.

**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.  
[2] See PCB Declaration of Conformance PS136 for details.

**SUPPLIED ACCESSORIES:**  
Model 084A31 Tip - soft plastic, brown (1)  
Model 084A32 Tip - hard plastic, red (1)  
Model HCS-2 Calibration of Series 086 instrumented impact hammers (1)

Entered: LK      Engineer: BAM      Sales: WDC      Approved: BAM      Spec Number:  
Date: 10/11/2016    Date: 10/11/2016    Date: 10/11/2016    Date: 10/11/2016      **12993**

**PCB PIEZOTRONICS™**      Phone: 716-684-0001  
3425 Walden Avenue, Depew, NY 14043      Fax: 716-684-0987  
E-Mail: info@pcb.com



All specifications are at room temperature unless otherwise specified.  
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**Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com**  
#4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029