Model Number							Revision B	_
086C41					Optional Versions (Optional versions have identical specifications and accessories			
Performance	ENGLISH	SI						
Sensitivity (±15 %)	1 mV/lbf	0.23 mV/N		for standard model exce	pt where note	ed below. More th	an one option maybe	usea.)
Measurement Range	±5000 lbf pk	±22000 N pk	[4][0]	Netes				
Frequency Range (-10 dB) (Hard T	ip) 1 kHz	1 kHz	[1][2]	Notes				
Frequency Range (-10 dB) (Mediur		700 Hz	[1][2]	[1] Typical.				
Frequency Range (-10 dB) (Soft Ti		450 Hz	[1][2]				alues are from hitting	a stiff steel
Frequency Range (-10 dB) (Super Tip)	Soft 400 Hz	400 Hz	[1][2]	mass. Hammer d	lid not have e	xtender mass atta	ached.	
Resonant Frequency	≥12 kHz	≥12 kHz						
Non-Linearity	≤1 %	≤1 %		Supplied Accessories				
Electrical				084A60 Tip - super sof		r (1)		
Excitation Voltage	18 to 30 VDC	18 to 30 VDC		084A61 Tip - soft plast				
Constant Current Excitation	2 to 20 mA	2 to 20 mA		084A62 Tip - medium plastic, red (1)				
Output Impedance	<100 Ohm	<100 Ohm	[1]	084A63 Tip - hard plastic, black (1)				
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC		HCS-2 Calibration of Series 086 instrumented impact hammers (1)				
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 n the interest of constant product improv otice. CP® is a registered trademark of PCB g	ement, we reserve the right to c	change specifications with	nout					
n the interest of constant product improv otice.	ement, we reserve the right to c	change specifications with	nout	Entered: BLS Eng	gineer: JMS	Sales: EGY	Approved: JJB	Spec Number:
n the interest of constant product improv otice.	ement, we reserve the right to c	change specifications with	nout	Date: Dat	te:	Date:	Date:	Spec Number: 2613
n the interest of constant product improv otice.	ement, we reserve the right to c	change specifications with	nout	Date: Dat				
n the interest of constant product improvotice.	ement, we reserve the right to c	change specifications with	nout	Date: Dat	te:	Date: 04/07/2005 Compa Addres Phone:	Date:	2613
the interest of constant product improvotice.	ement, we reserve the right to c	change specifications with	nout	Date: Dat	te:	Date: 04/07/2005 Compa Addres Phone: Fax: 71	Date: 04/12/2005 any: IMI Sensors s: 3425 Walden Depew, NY 1404 UNITED STATES 800-959-4464	2613