

MODEL NO.	SENSITIVITY
5850B	1, 10, 100 mV/LbF

**MASTER  
ONLY IF IN RED**

1. WEIGHT - 256 GRAMS

**EXCEPT AS OTHERWISE NOTED**

ALL DIMENSIONS IN INCHES  
TOLERANCE: .XXX = ± .XX = ±

SURFACE FINISH  
EXCEPT AS NOTED ✓

BREAK EDGES TO DEBURR  
RADIUS OR CHAMFER

△ THESE DIAS TO T.I.R.

FILLETS - MAX RAD.



CHATSWORTH, CA.

SCALE	1X	REV	DATE	ECN
DATE	11/1/95	PART NO.		
DRAWN	D.Z.	CHECKED	N.C	MAT'L
APPROVED		NEXT ASSEMBLY		USED ON
TITLE				DWG NO.
<p><b>OUTLINE/INSTALLATION DRAWING, IMPULSE HAMMER 5850B</b></p>				<p><b>127-5850B</b></p>
				SHEET 1 OF 1

<b>Model Number</b> 5850B	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO</b> PS5850B
	<b>IMPULSE HAMMER</b>	REV B, ECN 15149, 06/17/19



- 3-POSITION SENSITIVITY TOGGLE SWITCH
- EXCELLENT LINEARITY
- INTERCHANGABLE IMPACT TIPS

**This family also includes:**

Model	Sensitivity (mV/Lb)	Range (Lb. Force)	Max. Force (Lb. Force)	Discharge T.C. (sec)

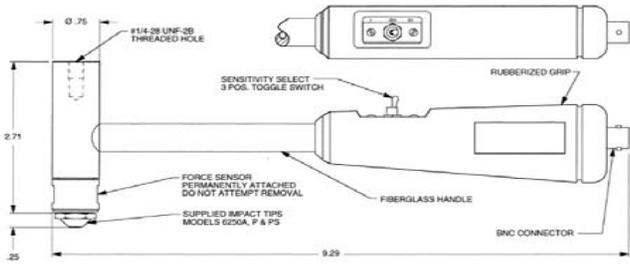
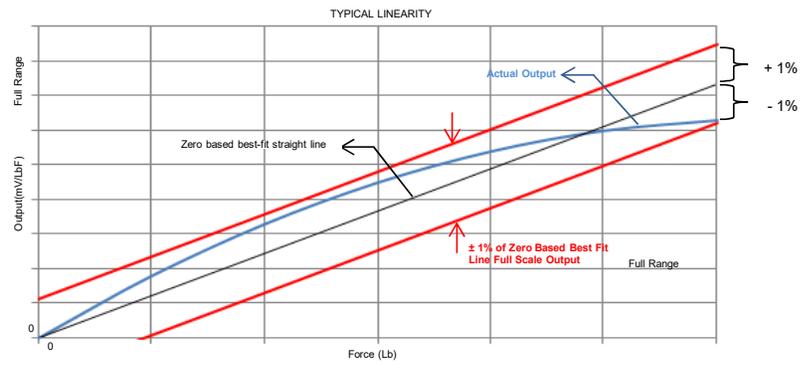
Refer to the performance specifications of the products in this family for detailed description.

- Supplied Accessories:**
- Accredited calibration certificate (ISO 17025)
  - Impact tips: 1X Model 6250A (aluminum), 1X Model 6250P (plastic), 1X model 6250PS (soft plastic)

**Notes:**

[1] Percent of full scale or any lesser range, Zero based best-fit straight line method.  
 [2] In the interest of constant product improvement, we reserve the right to change specifications without notice.  
 It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and/or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

	ENGLISH		SI	
<b>PHYSICAL</b>				
Weight, Head	5.3	oz	150	grams
Weight, Total	9.6	oz	275	grams
Connector	BNC		BNC	
Head	Material: Stainless Steel		Material: Stainless Steel	
Handle	Material: Fiberglass		Material: Fiberglass	
Impact Tips	Material: Aluminum / Plastic		Material: Aluminum / Plastic	
Sensing Element	Material: Quartz		Material: Quartz	
	Mode: Compression		Mode: Compression	
<b>PERFORMANCE</b>				
Sensitivity, ± 10 %	1	mV/LbF	0.2248	mV/N
	10	mV/LbF	2.248	mV/N
	100	mV/LbF	22.48	mV/N
Range	at 1 mV/LbF	Lbs. Force	22241	N
	at 10 mV/LbF	Lbs. Force	2224	N
	at 100 mV/LbF	Lbs. Force	222	N
Maximum Input Force	at 1 mV/LbF	Lbs. Force	35586	N
	at 10 mV/LbF	Lbs. Force	26689	N
	at 100 mV/LbF	Lbs. Force	4448	N
Discharge Time Constant	at 1 mV/LbF	Sec	1500	Sec
	at 10 mV/LbF	Sec	150	Sec
	at 100 mV/LbF	Sec	15	Sec
Linearity [1]	±1	% Full Scale	±1	% Full Scale
Resonant Frequency	> 75	kHz	> 75	kHz
Stiffness, Force Sensor	11.4	Lb/μin	2.0	kN/μm
<b>ELECTRICAL</b>				
Output Voltage F.S	±5	V	±5	V
Output Impedance, Max.	100	Ω	100	Ω
Bias Voltage	7.5 to 12	VDC	7.5 to 12	VDC
Compliance Voltage Range	18 to 30	VDC	18 to 30	VDC
Supply Current Range	2 to 20	mA	2 to 20	mA
<b>ENVIRONMENTAL</b>				
Operating Temperature	-40 to +151	°F	-40 to +66	°C



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5850B for more information.



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