

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

Model Number 5850B	PERFORMANCE SPECIFICATION	DOC NO PS5850B
	IMPULSE HAMMER	REV A, ECN 14056, 03/06/18



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

This family also includes:

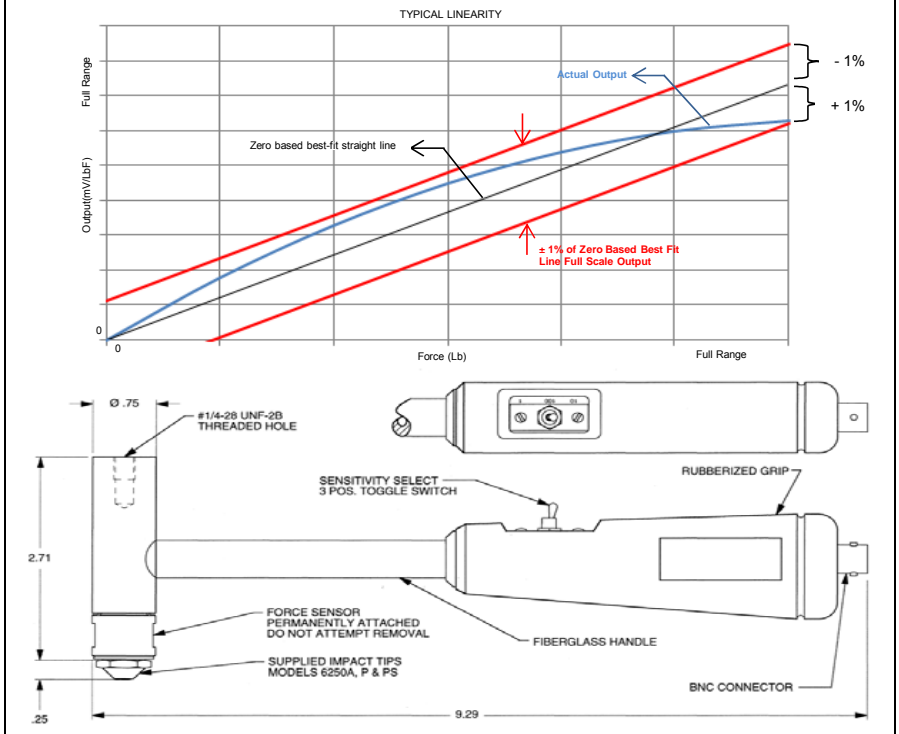
Model	Sensitivity (mV/Lb)	Range (Lb. Force)	Max. Force (Lb. Force)	Discharge T.C. (sec)

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:**
- Percent of full scale or any lesser range, Zero based best-fit straight line method.
 - In the interest of constant product improvement, we reserve the right to change specifications without notice.

	ENGLISH		SI	
PHYSICAL				
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	
Material	Aluminum / Plastic		Aluminum / Plastic	
Impact Tips	Material: Quartz		Material: Quartz	
Sensing Element	Material: Compression		Material: Compression	
Mode				
PERFORMANCE				
Sensitivity, ± 10 %	1	mV/LbF	0.2	mV/N
	10	mV/LbF	2.2	mV/N
	100	mV/LbF	22.5	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
ELECTRICAL				
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
ENVIRONMENTAL				
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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