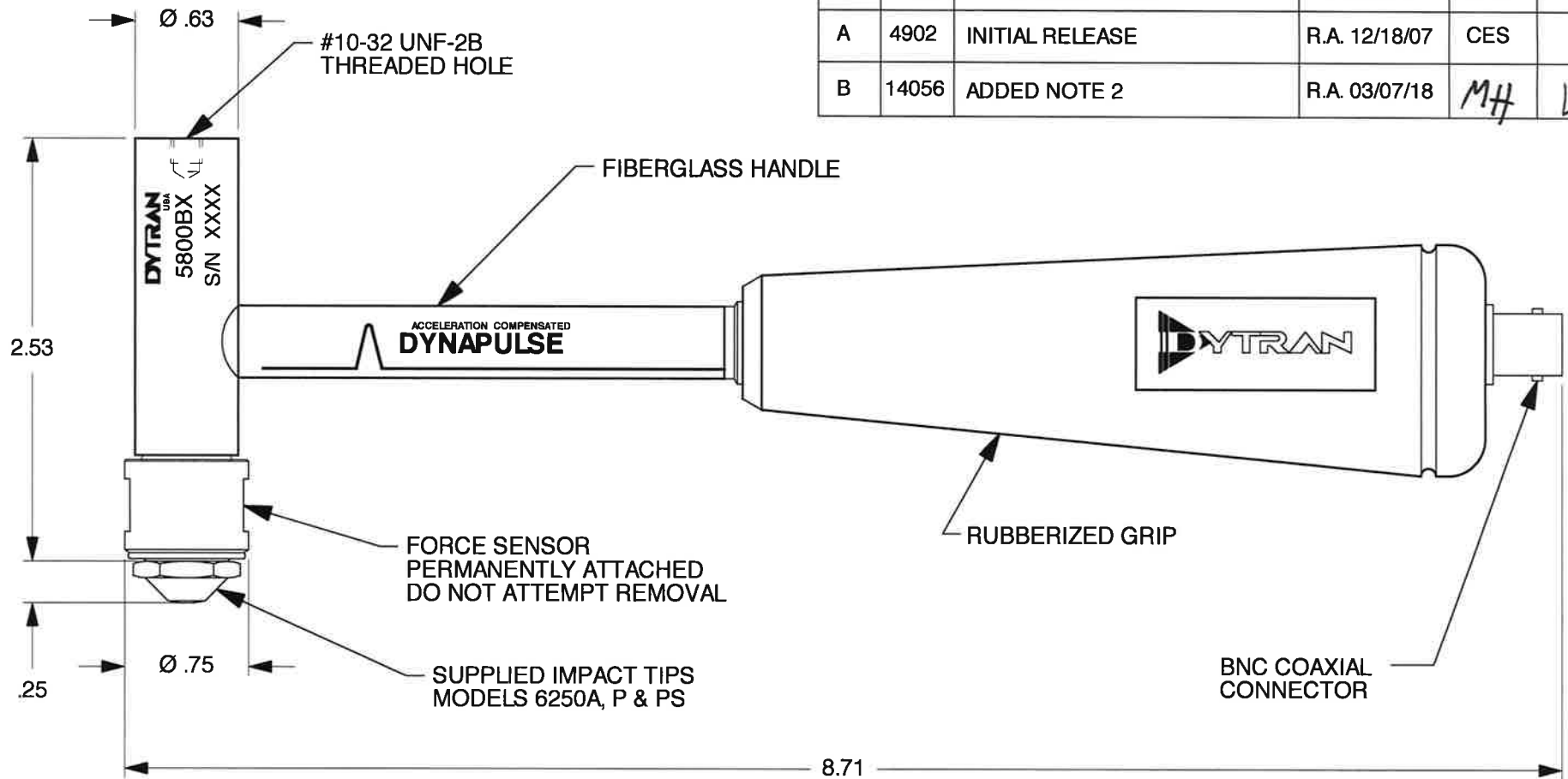


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4902	INITIAL RELEASE	R.A. 12/18/07	CES	CES
B	14056	ADDED NOTE 2	R.A. 03/07/18	MH	LN



MODEL NO.	SENSITIVITY
5800B2	100 mV/LbF
5800B3	50 mV/LbF
5800B4	10 mV/LbF
5800B5	5 mV/LbF

2. OPERATING TEMP: -40°C TO +66°C (-40°F TO +151°F)

1. HEAD WEIGHT - 100 GRAMS, TOTAL  
WEIGHT-220 GRAMS

<b>DYTRAN</b> INSTRUMENTS, INC.		<b>MASTER</b> ONLY IF IN RED		CHATSWORTH, CA.	
SCALE 1X	REV -	DATE SEE REV BLOCK	ECN -		
DATE 6/17/00	PART NO.				
DRAWN N.C.	CHECKED CES	MAT'L			
APPROVED CES	NEXT ASSEMBLY		USED ON		
TITLE <b>OUTLINE/INSTALLATION DRAWING, IMPULSE HAMMER SERIES 5800B</b>				DWG NO. <b>127-5800B</b>	
SHEET 1 OF 1					

<b>Model Number</b> 5800B2	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO</b> PS5800B2
	<b>IMPULSE HAMMER</b>	REV B, ECN 14056, 03/06/18



- ACCELERATION COMPENSATED
- EXCELLENT LINEARITY
- INTERCHANGABLE IMPACT TIPS

**PHYSICAL**

Weight, Head  
 Connector  
 Head  
 Handle  
 Impact Tips  
 Sensing Element

Material  
 Material  
 Material  
 Material  
 Mode

ENGLISH		SI	
3.5	oz	100	grams
BNC		BNC	
Stainless Steel		Stainless Steel	
Fiberglass		Fiberglass	
Aluminum / Plastic		Aluminum / Plastic	
Quartz		Quartz	
Compression		Compression	

**PERFORMANCE**

Sensitivity,  $\pm 10\%$   
 Range  
 Maximum Force  
 Linearity [1]  
 Resonant Frequency  
 Stiffness, Force Sensor

100	mV/LbF	22.5	mV/N
50	Lbs. Force	222.4	N
1,000	Lbs. Force	4448	N
$\pm 1$	% Full Scale	$\pm 1$	% Full Scale
75	kHz	75	kHz
11.4	Lb/ $\mu$ in	2.0	kN/ $\mu$ m

**ELECTRICAL**

Output Voltage F.S  
 Output Impedance, Max  
 Bias Voltage  
 Compliance Voltage Range  
 Supply Current Range  
 Discharge Time Constant, Nom

$\pm 5$	V	$\pm 5$	V
100	$\Omega$	100	$\Omega$
7 to 12	VDC	7 to 12	VDC
18 to 30	VDC	18 to 30	VDC
2 to 20	mA	2 to 20	mA
20	Sec	20	Sec

**ENVIRONMENTAL**

Operating Temperature

-40 to +151	$^{\circ}$ F	-40 to +66	$^{\circ}$ C
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**This family also includes:**

Model	Sensitivity (mV/Lb)	Range (Lb. Force)	Max. Force (Lb. Force)	Discharge T.C. (sec)
5800B1	500	10	200	5
5800B3	50	100	1000	50
5800B4	10	500	1000	170
5800B5	5	1,000	2000	300
5801B4	10	500	6000	170
5801B5	5	1,000	8000	300
5801B6	1	5,000	8000	1700

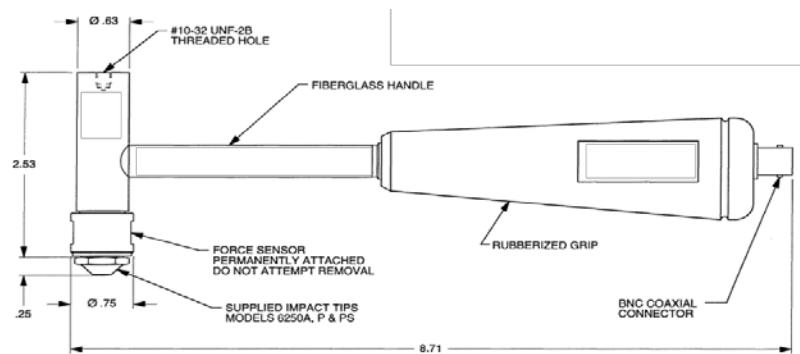
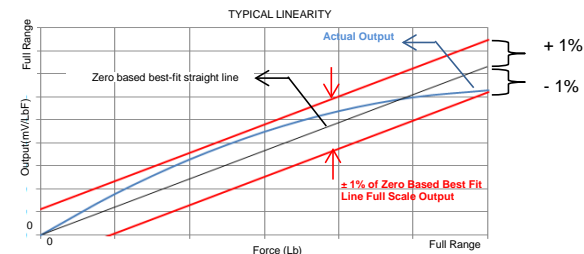
Refer to the performance specifications of the products in this family for detailed description.

**Supplied Accessories:**

- 1) Accredited calibration certificate (ISO 17025)
- 2) 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.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5800B for more information.



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