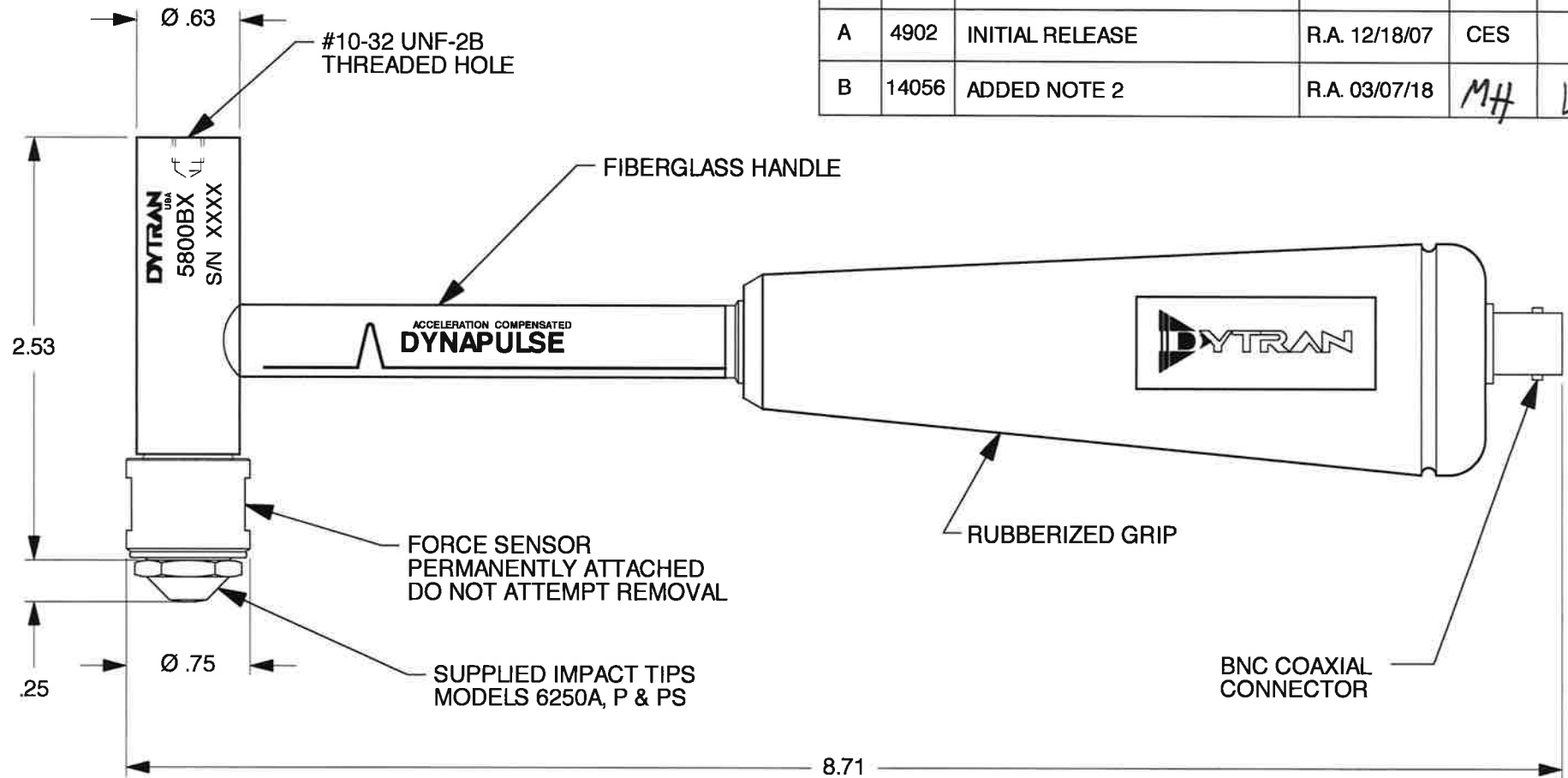


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4902	INITIAL RELEASE	R.A. 12/18/07	CES	CES
B	14056	ADDED NOTE 2	R.A. 03/07/18	MH	LN



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> 5800B5	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO</b> PS5800B5
	<b>IMPULSE HAMMER</b>	REV B, ECN 14056, 03/06/18



- ACCELERATION COMPENSATED
- EXCELLENT LINEARITY
- INTERCHANGABLE IMPACT TIPS

**This family also includes:**

Model	Sensitivity (mV/Lb)	Range (Lb. Force)	Max. Force (Lb. Force)	Discharge T.C. (sec)
5800B1	500	10	200	5
5800B2	100	50	1000	20
5800B3	50	100	1000	50
5800B4	10	500	1000	170
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.

**PHYSICAL**

Weight, Head			
Connector			
Head	Material		
Handle	Material		
Impact Tips	Material		
Sensing Element	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**

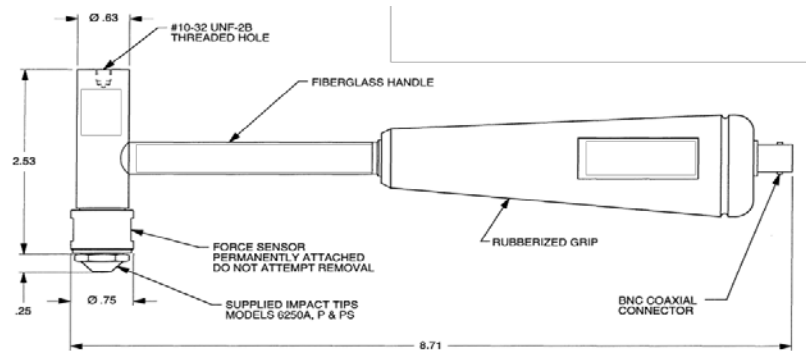
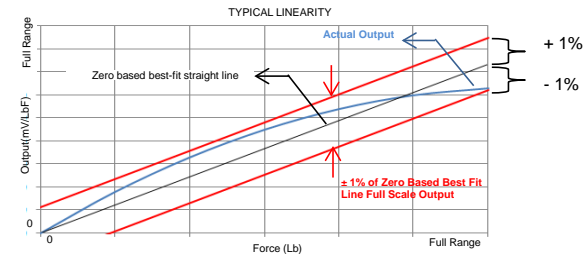
	ENGLISH	SI
Sensitivity, ± 10 %	5 mV/LbF	1.1 mV/N
Range	1,000 Lbs. Force	4448 N
Maximum Force	2,000 Lbs. Force	8896 N
Linearity [1]	±1 % Full Scale	±1 % Full Scale
Resonant Frequency	75 kHz	75 kHz
Stiffness, Force Sensor	11.4 Lb/µin	2.0 kN/µm

**ELECTRICAL**

	ENGLISH	SI
Output Voltage F.S	±5 V	±5 V
Output Impedance, Max	100 Ω	100 Ω
Bias Voltage	7 to 12 VDC	7 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
Discharge Time Constant, Nom	300 Sec	300 Sec

**ENVIRONMENTAL**

	ENGLISH	SI
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 127-5800B for more information.



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