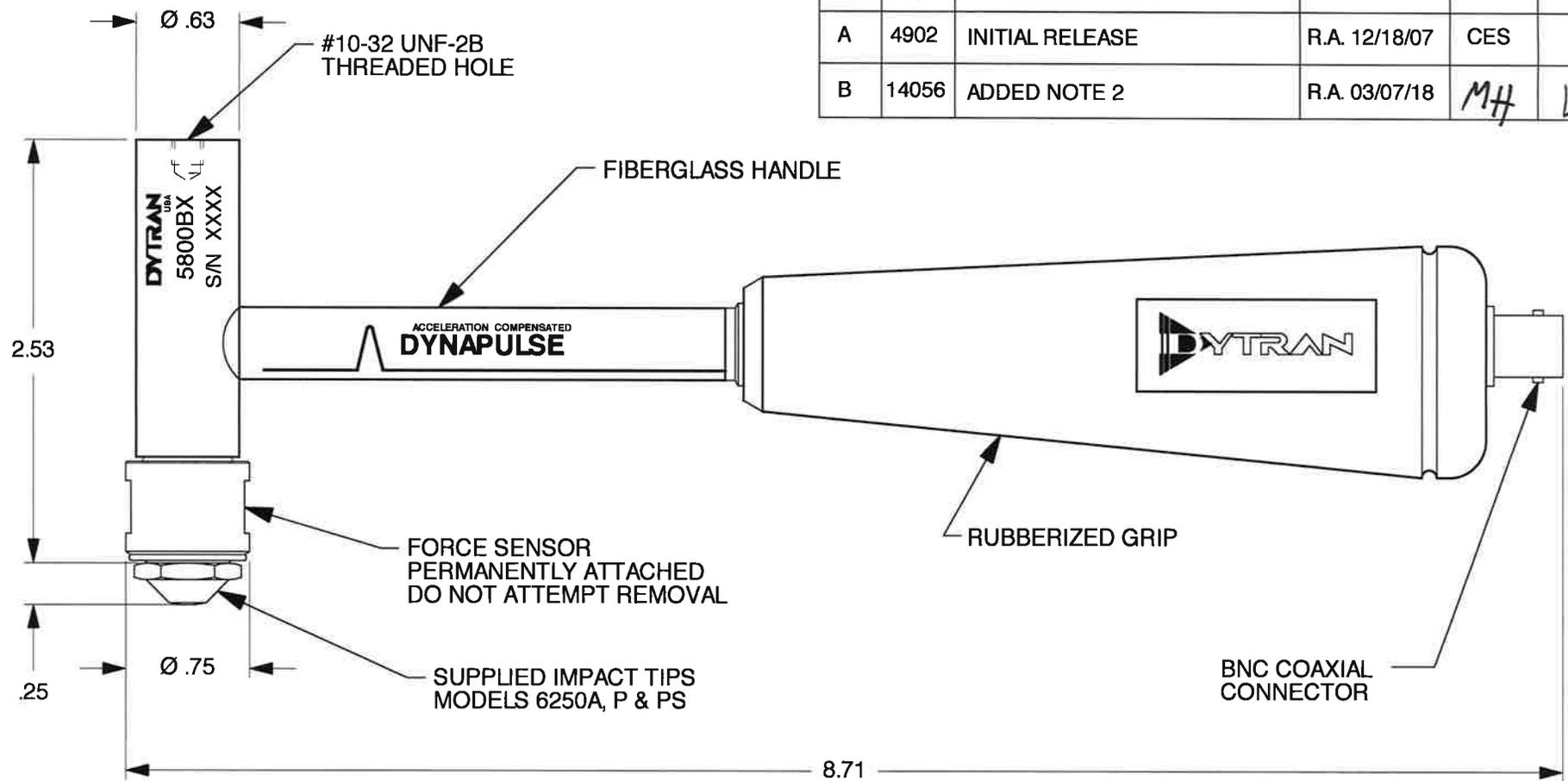


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4902	INITIAL RELEASE	R.A. 12/18/07	CES	CES
B	14056	ADDED NOTE 2	R.A. 03/07/18	MH	LN



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

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

Model Number 5800B3	PERFORMANCE SPECIFICATION	DOC NO PS5800B3
	IMPULSE HAMMER	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

50	mV/LbF	11.2	mV/N
100	Lbs. Force	444.8	N
1,000	Lbs. Force	4448	N
± 1	% Full Scale	± 1	% Full Scale
75	kHz	75	kHz
11.4	Lb/ μ in	2.0	kN/ μ m

ELECTRICAL

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

± 5	V	± 5	V
100	Ω	100	Ω
7 to 12	VDC	7 to 12	VDC
18 to 30	VDC	18 to 30	VDC
2 to 20	mA	2 to 20	mA
50	Sec	50	Sec

ENVIRONMENTAL

Operating Temperature

-40 to +151	$^{\circ}$ F	-40 to +66	$^{\circ}$ C
-------------	--------------	------------	--------------

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
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

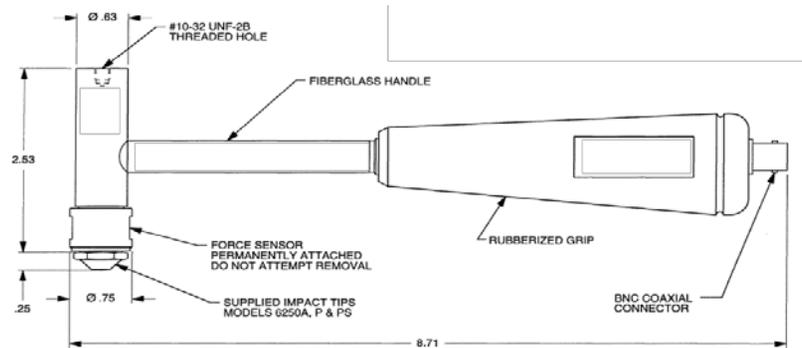
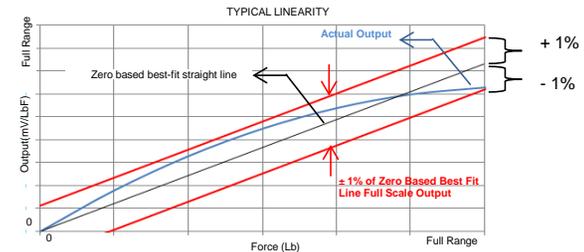
Refer to the performance specifications of the products in this family for detailed description.

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.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880 www.dytran.com
 For permission to reprint this content, please contact info@dytran.com