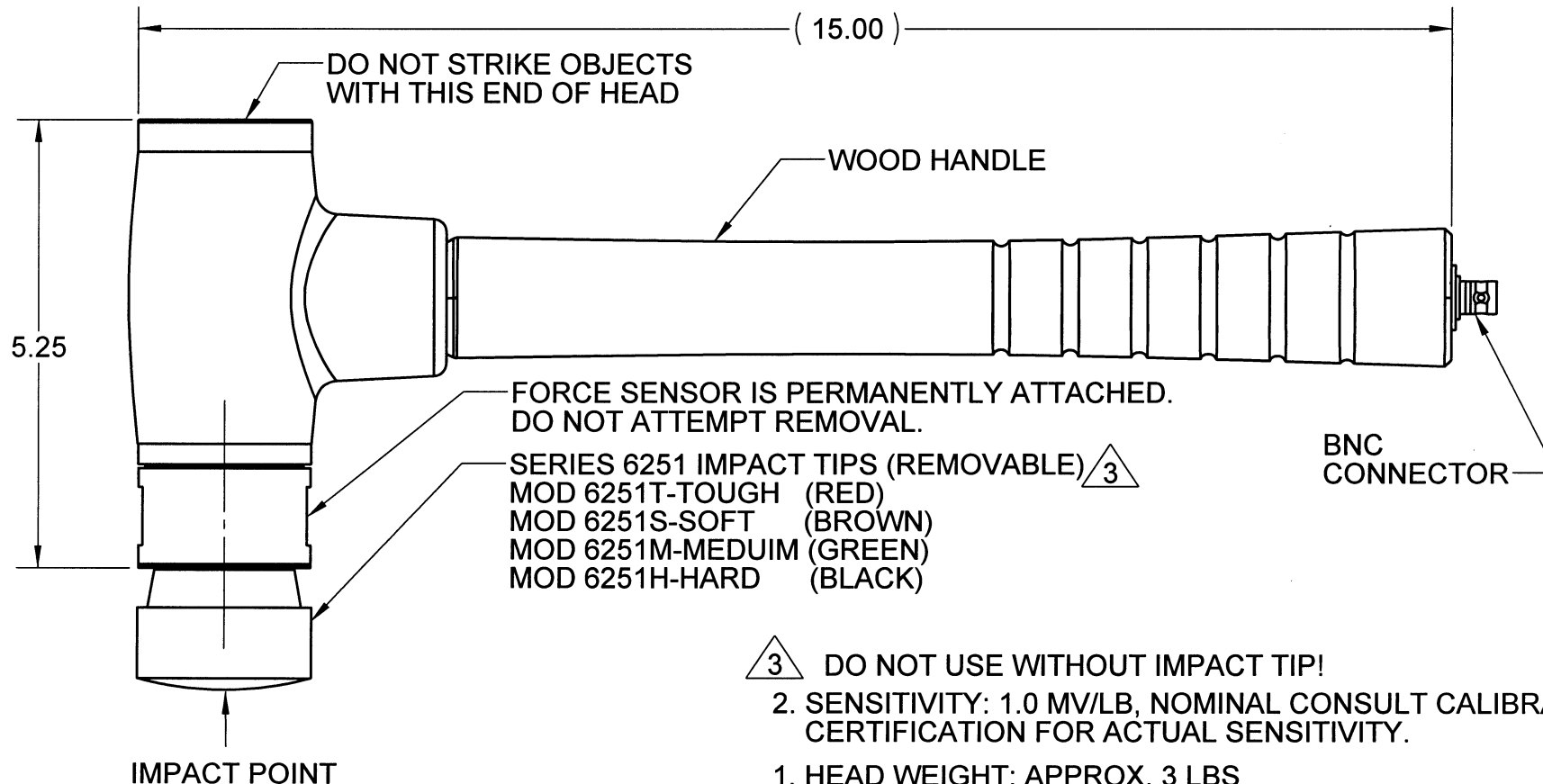


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5916	INITIAL RELEASE	RA,07/01/09	<i>[Signature]</i>	<i>[Signature]</i>



- 3 DO NOT USE WITHOUT IMPACT TIP!
2. SENSITIVITY: 1.0 MV/LB, NOMINAL CONSULT CALIBRATION CERTIFICATION FOR ACTUAL SENSITIVITY.
1. HEAD WEIGHT: APPROX. 3 LBS
- NOTES: UNLESS OTHERWISE SPECIFIED

5802AT	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION	
USA	
UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	
ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:		
INCHES	METRIC	ANGLES
.XX ± .03	.X ± 0.8	± 1°
.XXX ± .010	.XX ± 0.25	
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

CONTRACT NO.



MASTER
ONLY IF IN RED

TITLE:

OUTLINE/INSTALLATION,
5802AT

APPROVALS		DATE
ORIG	R.A.	06/29/09
CHK	<i>[Signature]</i>	6/24/09
APP	<i>[Signature]</i>	7/1/09
APP		

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-5802AT	A
SCALE: 1:4	SOLIDWORKS	SHEET 1 OF 1	

Model Number 5802AT	PERFORMANCE SPECIFICATION			Doc No PS5802AT
	IMPULSE HAMMER			REV B, ECN 11595, 12/04/14



- IMPULSE HAMMERS
- EXCELLENT LINEARITY
- TEDS FEATURE

PHYSICAL

Weight, Head
Connector

Head
Handle
Impact Tips, All
Sensing Element

Material
Material
Material
Material
Material
Mode

ENGLISH		SI	
47.6	oz	1360	grams
BNC		BNC	
Stainless Steel		Stainless Steel	
Stainless Steel		Stainless Steel	
Wood		Wood	
Polyurethane		Polyurethane	
Quartz		Quartz	
Compression		Compression	

PERFORMANCE

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

1	mV/LbF	0.25	mV/N
5,000	Lbs. Force	22.2	kN
10,000	Lbs. Force	44.5	kN
± 2	% Full Scale	± 2	% Full Scale
75	kHz	75	kHz
42	Lb/ μ in	7.28	kN/ μ m

ELECTRICAL

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

± 5	V	± 5	V
100	Ω	100	Ω
7.5 to 9.5	VDC	7.5 to 9.5	VDC
+18 to +30	VDC	+18 to +30	VDC
2 to 20	mA	2 to 20	mA
1500	Sec	1500	Sec
IEEE 1451.4		IEEE 1451.4	

This family also includes:

Model	Sensitivity (mV/Lb)	Range(Lbs. Force)	Max.Force (Lbs. Force)	Oper. Temp(°F)

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

Supplied Accessories:

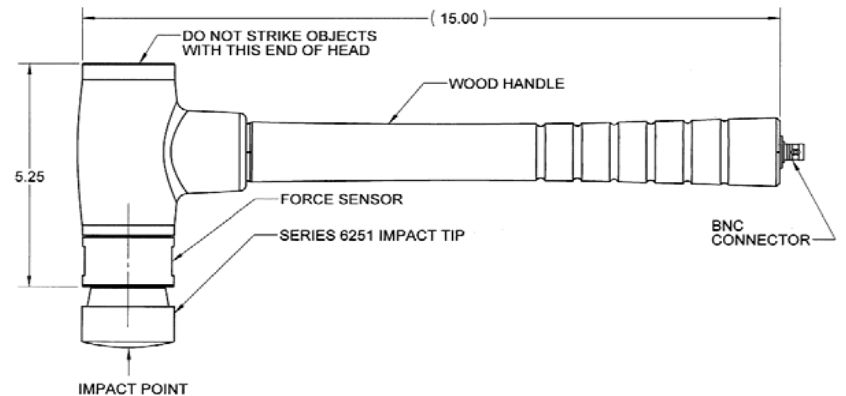
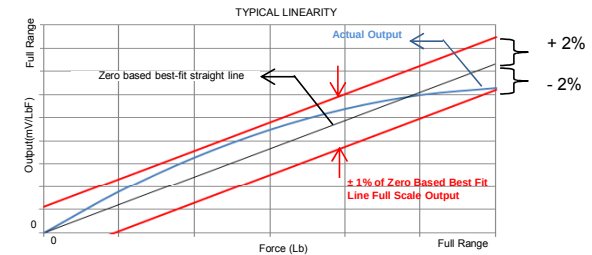
- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6251T impact tip, tough, red; Model 6251S impact tip, soft, brown.

Available Accessories:

- 1) Model 6251H impact tip, hard, black; Model 6251M impact tip, medium, green.

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 127-5802AT for more information.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880 www.dytran.com
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