



<sup>5</sup> 6251M AND 6251H ARE OPTIONAL

<sup>4</sup> 6251T AND 6251S ARE PROVIDED

<sup>3</sup> 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

REDRAWN ON COMPUTER 4/24/00

**DYTRAN**  
INSTRUMENTS, INC.

CHATSWORTH, CA.

SCALE	1/2	REV	A	DATE	9/15/83	ECN	-
DATE	8/10/83	PART NO.	-				
DRAWN	N.C.	CHECKED	N.C.	MATL	-		
APPROVED				NEXT ASSEMBLY	USED ON 5802A		

**INSTRUMENTED IMPLUSE  
HAMMER, 3 LBS, MODEL 5802A**

DWG NO. **127-5802A**

SHEET 1 OF 1

**SPECIFICATIONS MODEL 5802A 3-POUND IMPULSE HAMMER**

<b>SPECIFICATION</b>	<b>VALUE</b>	<b>UNITS</b>
RANGE, NOMINAL FOR +5 VOLTS OUT	5000	LBS
SENSITIVITY, ± 10%	1.0	mV/LB
MAXIMUM INPUT	10,000	LBS
STIFFNESS, FORCE SENSOR	42	LB/μ IN
RESONANT FREQUENCY, SENSOR WITH NO IMPACT CAP	75	kHz
LINEARITY	+/- 2	% FS
F.S. OUTPUT	+5	VOLTS
OUTPUT IMPEDANCE, NOM	100	OHMS
VOLTAGE BIAS, INTEGRAL AMPLIFIER	+7.5 TO +9.5	VDC
INPUT CURRENT RANGE [1]	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE [1]	+18 to +30	VOLTS DC
MATERIAL		
FORCE SENSOR	17-4 PH	ST. STEEL
HAMMER HEAD	STEEL	CAST
HANDLE	WOOD	
IMPACT TIPS, ALL	POLYURETHANE	
WEIGHT, HEAD WITH FORCE SENSOR	3	POUNDS
CONNECTOR, AT END OF HANDLE	BNC	JACK

ACCESSORIES SUPPLIED: (1) 6251T IMPACT TIP, TOUGH, RED  
(1) 6251S IMPACT TIP, SOFT, BROWN

ACCESSORIES AVAILABLE: 6251H IMPACT TIP, HARD, BLACK  
6251M IMPACT TIP, MEDIUM, GREEN

[1] Supply power from constant current source power sources only. Do not use with power supply without current limiting, 20 mA maximum. To do so will destroy built-in amplifier.