



2 NEVER USE HAMMER WITHOUT IMPACT TIP ATTACHED TO THE FRONT SURFACE OF THE SENSOR AS SHOWN. THIS WILL PERMANENTLY DAMAGE THE SENSOR.

1. HEAD WEIGHT-1 LB

REDRAWN ON CAD 1/4/99



CHATSWORTH, CA.

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES	
TOLERANCE: .XXX ± .XX ± .01	
SURFACE FINISH EXCEPT AS NOTED	✓
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
△ THESE DIAS TO T.J.R.	
FILLETS -	MAX RAD.

SCALE 1X	REV -	DATE -	ECN -		
DATE 3/2/95	PART NO.				
DRAWN N.C.	CHECKED N.C.	MAT'L -			
APPROVED	NEXT ASSEMBLY	USED ON	5805A		
TITLE			DWG NO.		
OUTLINE INSTALLATION DRAWING, MODEL 5805A IMPULSE HAMMER			127-5805A		
SHEET			1 OF 1		

SPECIFICATIONS MODEL 5805A 1 POUND HEAD IMPULSE HAMMER

SPECIFICATION	VALUE	UNITS
RANGE, NOMINAL FOR +5 VOLTS OUT	5000	LBS
SENSITIVITY, NOM.	1.0	mV/LB
MAXIMUM INPUT	10,000	LBS
STIFFNESS, FORCE SENSOR	8.0	LB/ μ IN
RESONANT FREQUENCY, SENSOR WITH NO IMPACT CAP	50	kHz
LINEARITY	+/- 2	% FS
F.S. OUTPUT	+5	VOLTS
OUTPUT IMPEDANCE, NOM	100	OHMS
VOLTAGE BIAS, INTEGRAL AMPLIFIER	+11	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	
WEIGHT, HEAD WITH FORCE SENSOR	1.0	POUNDS
CONNECTOR, AT END OF HANDLE	BNC	JACK

ACCESSORIES SUPPLIED: (1) 6530S IMPACT TIP, SOFT (BROWN)
 (1) 6530M IMPACT TIP, MEDIUM, (GREEN)
 (1) 6530T IMPACT TIP, TOUGH, (REF)
 (1) 6530H IMPACT TIP, HARD, (BLACK)

[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.