



2. MATERIAL, HOUSING: 316L STAINLESS STEEL, CONNECTOR ADAPTOR: INCONEL 600.

$\triangle$  1. TORQUE MOUNTING SCREWS TO 20 LB-INCHES. LOCKWIRE IF DESIRED.

ALL PART NUMBER LETTERSUFFIXES ARE TOBE INTERPRETED ASFOLLOWS:

M - MACHINED ONLY (UNPLATED) G - MATERIAL HAS BEEN GRAINED  
 P - PLATED/PAINTED S - MATERIAL HAS BEEN SAWCUT  
 H - HEAT TREATED E - ENVIRONMENTAL TEST

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES TOLERANCE: .XXX = ± .XX= ±	
SURFACE FINISH EXCEPT AS NOTED ✓	
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
$\triangle$ THESE DIAS $\odot$ TO T.I.R.	
FILLETS -	MAX RAD.

		CHATSWORTH, CA.	
DATE 1/24/97	PART NO. MODEL 3197C		
DRAWN N.C. CHECKED N.C.	MAT'L SEE NOTE 2		
APPROVED	NEXT ASSEMBLY	USED ON 3197C	
TITLE OUTLINE INSTALLATION DRAWING, MODEL 3197C HIGH TEMPERATURE ACCELEROMETER			DWG NO. 127-3197C
			SHEET 1 OF 1

**SPECIFICATIONS, MODEL 3197C CHARGE MODE ACCELEROMETER**



<b>SPECIFICATION</b>	<b>VALUE</b>	<b>UNITS</b>
<b>PHYSICAL</b>		
WEIGHT	85	GRAMS
SIZE , FLANGE X HEIGHT X LENGTH	1.448 FLANGE. DIA x .80 x 2.10	INCHES
MOUNTING PROVISION	3-BOLT PATTERN, 1.188 DIA BOLT CIRCLE	
CONNECTOR, COAXIAL, RADIALY MOUNTED	TNC JACK, HERMETIC	
CASE /CONNECTOR MATERIAL	STAINLESS STEEL, 300 SERIES	
<b>PERFORMANCE</b>		
SENSITIVITY, NOM.	3.0	pC/G
RANGE F.S.	500	G's
FREQUENCY RESPONSE, +/- 5% [1]	to 2500	Hz
MOUNTED RESONANT FREQUENCY, NOM.	13	kHz
AMPLITUDE NON-LINEARITY (ZERO BASED BEST FIT ST.LINE METHOD)	2.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	PERCENT
STRAIN SENSITIVITY	.012	G's PER MICROSTRAIN @ 250/ $\mu$
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION	$\pm$ 1000	G's,
MAXIMUM SHOCK	2000	G's, PEAK
TEMPERATURE RANGE	-65 TO +500	$^{\circ}$ F
THERMAL SENSITIVITY COEFFICIENT	.02	%/ $^{\circ}$ F
SEAL	WELDED/CERAMIC TO METAL	HERMETIC
<b>ELECTRICAL</b>		
CAPACITANCE, NOM.	465	pF
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	NEGATIVE GOING	
CASE ISOLATION	10 MIN.	MEGOHMS

**NOTES:**

[1] LOW FREQUENCY RESPONSE IS A FUNCTION OF THE CHARGE AMPLIFIER DISCHARGE TIME CONSTANT.

**SUPPLIED ACCESSORIES:**

(3) MOUNTING SCREW, MODEL 6535 (8-32 UNC X 0.5 inch socket head cap screws).

