



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.		
				SCALE 1X
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



SPECIFICATION	VALUE	UNITS
PHYSICAL		
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, RADially MOUNTED	TNC JACK, HERMETIC	
CASE /CONNECTOR MATERIAL	STAINLESS STEEL, 300 SERIES	
PERFORMANCE		
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/ μ
ENVIRONMENTAL		
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
ELECTRICAL		
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).