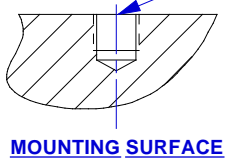


SCHEMATIC DIAGRAM

MOUNTING PREPARATION
 PREPARE FLAT SURFACE (TO .001 TIR)
 NEXT DRILL #3 (.213) DIA X .250 DEEP
 BOTTOM TAP 1/4-28 UNF-2B X .200 MIN
 THREAD DEPTH



ALL PART NUMBER LETTERSUFFIXES ARE TO BE INTERPRETED AS FOLLOWS:
 I.E. - 107-0000-01 (X)

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	
△ THESE DIAS ⊙ TO T.I.R.	
FILLETS - MAX RAD.	

		CHATSWORTH, CA.	
DATE 3/24/98	PART NO.		
DRAWN N.C.	CHECKED R.A.	MAT'L	
APPROVED	NEXT ASSEMBLY	USED ON 3192A	
TITLE		DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3192A		127-3192A	
		SHEET 1 OF 1	

SPECIFICATIONS
MODEL 3192A LIVM SEISMIC ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	190	Grams
SIZE, HEX x HEIGHT	1.125 X 2.25	Inches
MOUNTING PROVISION	1/4-28 X .250 deep tapped hole	
CONNECTOR, TOP MOUNTED	10SL-4P	2-pin
MATERIAL, BASE, CAP & CONNECTOR	300 Series	Stainless Steel
PERFORMANCE		
SENSITIVITY [1] ±5%	1.00	V/g
RANGE F.S. FOR ± 5 VOLTS OUTPUT	± 5.0	g's
FREQUENCY RANGE, ± 5%	0.5 to 1000	Hz
RESONANT FREQUENCY, NOM.	12	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.00007	g's RMS
LINEARITY [2]	± 2%	% F.S.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY	.005	g's/μ @ 250 μ
ENVIRONMENTAL		
MAXIMUM VIBRATION/SHOCK	50/100	± g's/g's PEAK
TEMPERATURE RANGE	-60 to +250	°F
SEAL, HERMETIC	Glass-to-metal and TIG welded	
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE RANGE	+11 to +12.5	VDC
DISCHARGE TIME CONSTANT, NOM.	1.0	Sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP		Positive
ELECTRICAL ISOLATION, CASE GROUND TO MOUNTING SURFACE		10 Megohms, min.

Accessories supplied: (1) Model 6176 mounting stud.

[1] Measured at 100 Hz, 1g RMS (or .5g RMS) per ISA RP 37.2.

[2] Measured using zero-based best straight line method, % of F.S. or any lesser range.

[3] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.