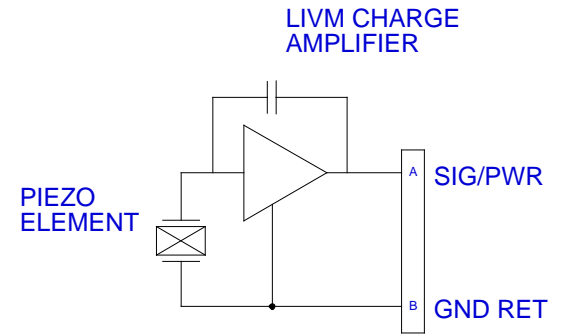
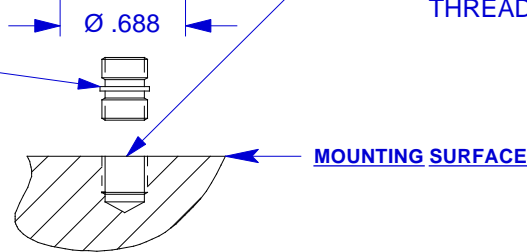


**MOUNTING PREPARATION**  
 PREPARE FLAT SURFACE (TO .001 TIR)  
 NEXT DRILL #3 (.213) DIA X .250 DEEP  
 BOTTOM TAP 1/4-28 UNF-2B X .200 MIN  
 THREAD DEPTH

6176 MOUNTING  
 STUD (SUPPLIED)



		CHATSWORTH, CA.		
				SCALE 1X
EXCEPT AS OTHERWISE NOTED		DATE 7-29-02	PART NO.	
ALL DIMENSIONS IN INCHES TOLERANCE: .XXX = ± .XX = ±		DRAWN N.C.	CHECKED R.A.	MAT'L
SURFACE FINISH EXCEPT AS NOTED ✓		APPROVED		NEXT ASSEMBLY
BREAK EDGES TO DEBURR RADIUS OR CHAMFER		USED ON		
THESE DIAS TO T.I.R.		TITLE		
FILLETS - MAX RAD.		<b>OUTLINE/INSTALLATION DRAWING          MODEL 3184E</b>		
DWG NO.				<b>127-3184E</b>
SHEET 1 OF 1				

1. WEIGHT - 107 GRAMS.



## SPECIFICATIONS

### MODEL 3184E INDUSTRIAL ACCELEROMETER

SPECIFICATION	VALUE	UNITS
<b>PHYSICAL</b>		
WEIGHT	107	GRAMS
SIZE (HEX x HEIGHT)	1.0 x 2.4	INCHES
MOUNTING PROVISION	1/4-28, UNF-2B TAPPED HOLE AT BOTTOM	
CONNECTOR, COAXIAL, TOP MOUNTED	2-PIN MILITARY	10SL-4P
CASE /CONNECTOR MATERIAL	316L STAINLESS STEEL	
ELEMENT STYLE	CERAMIC SHEAR	
<b>PERFORMANCE</b>		
SENSITIVITY +/- 5%	100	mV/G
RANGE F.S. FOR +/- 5 VOLTS OUT	+/- 50	G's
FREQUENCY RESPONSE, +/- 5%	1 (120) to 5000 (300,000)	Hz (CPM)
FREQUENCY RESPONSE, +/- 3db	0.5 (60) to 10,000 (600,000)	Hz (CPM)
MOUNTED RESONANT FREQUENCY, NOM.	25	kHz
EQUIVALENT ELECTRICAL NOISE (RESOLUTION)	.00002	G, RMS
AMPLITUDE NON-LINEARITY (ZERO BASED BEST FIT ST.LINE METHOD)	2.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	PERCENT
STRAIN SENSITIVITY	.0001	G's PER MICROSTRAIN @ 250/μ
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION	100	G's, RMS
MAXIMUM SHOCK	3000	G's, PEAK
TEMPERATURE RANGE	-60 TO +250	°F
ENVIRONMENTAL SEAL	HERMETIC	
<b>ELECTRICAL</b>		
EXCITATION (COMPLIANCE) VOLTAGE RANGE	+20 to +30	VDC
EXCITATION CURRENT RANGE	2 to 20	mA
OUTPUT IMPEDANCE, NOM.	100	OHMS
OUTPUT BIAS VOLTAGE, +/- 1 VOLTS	11.0	VDC
DISCHARGE TIME CONSTANT, MIN.	0.5	SEC.
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	POSITIVE GOING	

**SUPPLIED ACCESSORIES:**

(1) MODEL 6176 1/4-28 STAINLESS STEEL MOUNTING STUD

**AVAILABLE ACCESSORIES:**

MODEL 6194 IMMERSION PROOF™ VITON BOOT FOR USE IN HARSH ENVIRONMENT. COMPLETELY SEALS SENSOR AND CONNECTOR FROM MOISTURE. BOOT PROVIDES TOTAL HERMETIC SEAL FROM 0 TO 5,000 PSI.

MODEL 6406Axx CABLE ASSY, 10SL-4S CONNECTOR TO PIGTAIL, TWO-WIRE CABLE WITH TEFZEL™ JACKET.

[1] MEASURED AT 100Hz, 1 g RMS LEVEL BY BACK-TO-BACK COMPARISON PER ISA RP37.2.

[2] EACH UNIT SUPPLIED WITH NIST TRACEABLE CALIBRATION CERTIFICATE