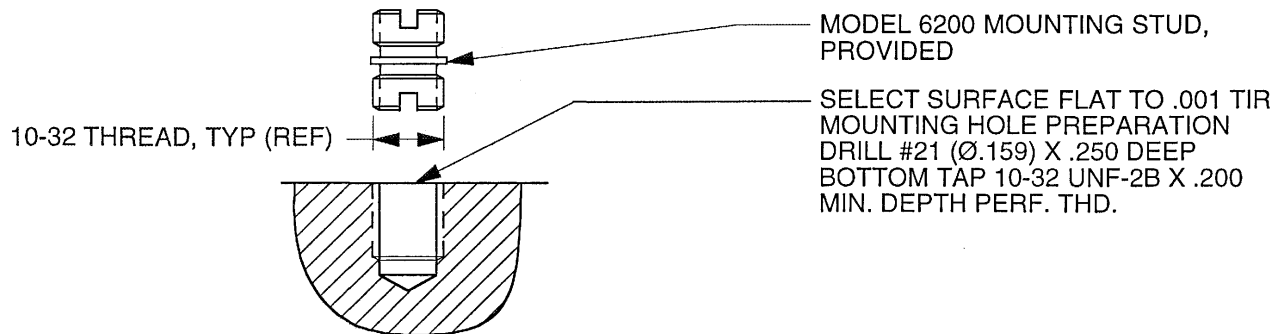
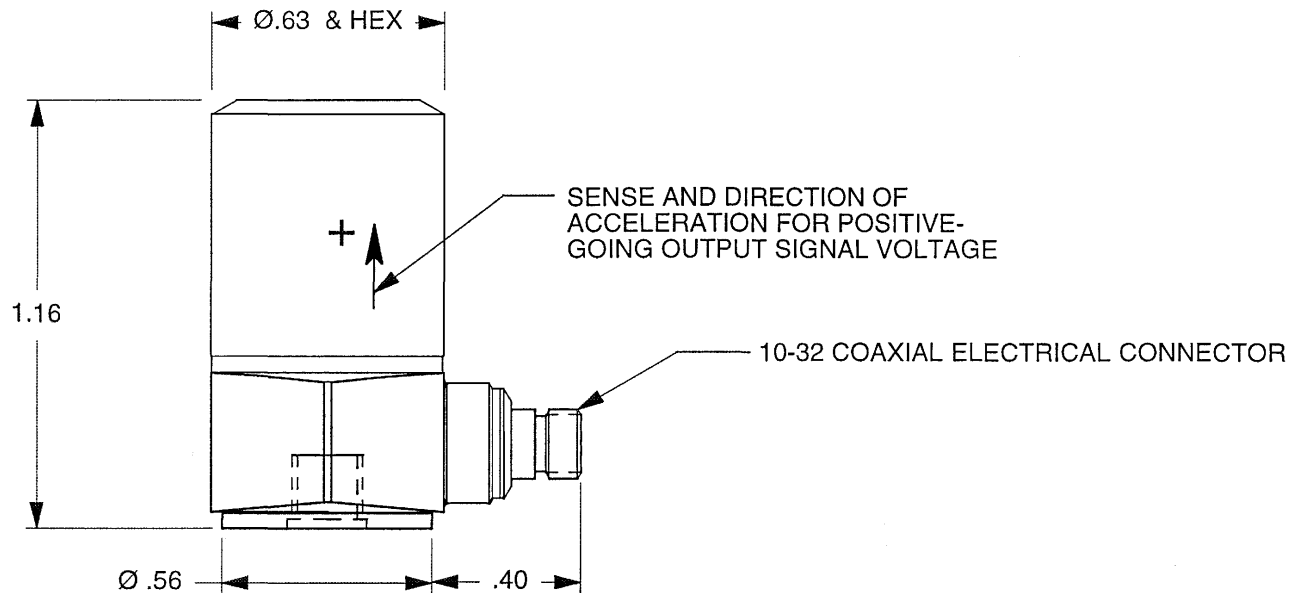


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	4739	REMOVED: WELD GROOVES	RLA 6/27/07	CA	CS



3. WEIGHT-58 GRAMS.
2. CASE MATERIAL-300 SERIES STAINLESS STEEL.
1. MOUNTING TORQUE ON 5/8 HEX: 20 TO 25 LB-INCHES. DO NOT OVER TORQUE.

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	2X	REV	DATE	ECN	
		-	SEE REV BLOCK	-	
DATE	1/10/98	PART NO.	-		
DRAWN	N.C.	CHECKED	R.A.		
		MAT'L	-		
APPROVED	N.C.	8/6/02	NEXT ASSEMBLY	USED ON	
			-	-	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3100D24				127-3100D24	
				SHEET 1 OF 1	

SPECIFICATIONS

MODEL 3100D24 LIVM ACCELEROMETER

SPECIFICATION	VALUE	UNITS
RANGE F.S. FOR ± 5 VOLTS OUTPUT	± 5	G's
SENSITIVITY, $\pm 5\%$ [1]	1000	mV/G
EQUIVALENT ELECTRICAL NOISE FLOOR	.0004	G's RMS
FREQUENCY RANGE, $\pm 5\%$	1 to 1000	Hz
MOUNTED RESONANT FREQUENCY, NOM.	26	kHz
LINEARITY [2]	$\pm 2\%$	% F.S.
TRANSVERSE SENSITIVITY, MAX.	5	%
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE	+ 11 to + 13	VDC
DISCHARGE TIME CONSTANT	0.5 to 2	SEC
TEMPERATURE RANGE	-60 to +250	$^{\circ}$ F
COEFFICIENT OF THERMAL SENSITIVITY	.03	$\%/^{\circ}$ F
MAXIMUM VIBRATION/SHOCK	100/200	\pm G's/G's PEAK
SIZE, HEX x HEIGHT	.625 x 1.16	Inches
WEIGHT	55	Grams
CONNECTOR, RADially MOUNTED	10-32	Coaxial
MATERIAL, BASE, CAP & CONNECTOR	300 Series	Stainless Steel
SEAL, HERMETIC	Glass-to-metal and TIG welded	
ELECTRICAL ISOLATION, CASE GROUND TO MOUNTING SURFACE		10 Megohms, min.
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3]	2 to 20/+18 to +30	mA/Volts

Accessories supplied: (1) Model 6200 mounting stud.
 (1) Model 6215 thermal boot.

[1] Measured at 100 Hz, 1 G 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.



Presented by: Absolute Gauge Technologies
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