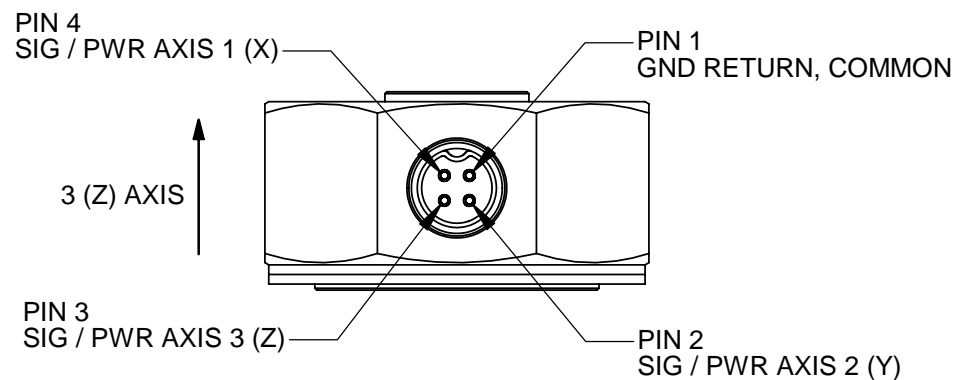
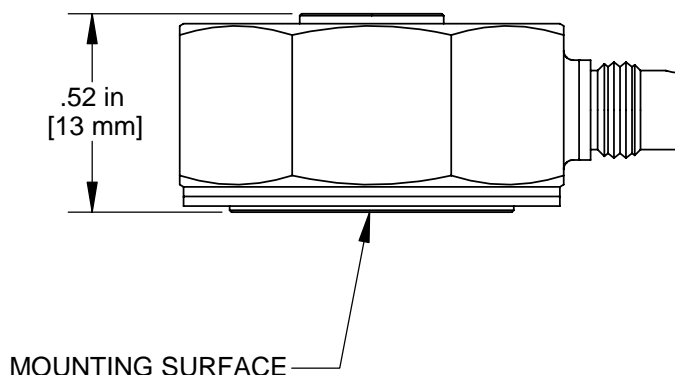


ACTUAL SIZE



5. MOUNTING SCREW: #8 OR M4

4. WEIGHT: 28 GRAMS

3. XX = CABLE LENGTH IN FEET

2. + SIGNS INDICATE SENSITIVE AXIS AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.

1. HOUSING MATERIAL: TITANIUM ALLOY

EXCEPT AS OTHERWISE NOTED			
ALL DIMENSIONS IN INCHES TOLERANCE: XXX = \pm .XX = \pm .01			
SURFACE FINISH EXCEPT AS NOTED			
BREAK EDGES TO DEBURR RADIUS OR CHAMFER			
	THESE DIAS		TO T.I.R
FILLETS:	MAX R		

DYTRAN
INSTRUMENTS, INC.

CHATSWORTH, CA

SCALE	2:1	REV	A	DATE	-	ECN	-			
DATE	10/25/2003	PART NO.	MODEL 3233A							
DRAWN	PML	CHECKED	MATERIAL							
APPROVED					NEXT ASSEMBLY	USED ON				3233A
TITLE		OUTLINE / INSTALLATION DRAWING MODEL 3233A						DWG NO. 127-3233A		
								SHEET 1 OF 1		



SPECIFICATIONS, MODEL 3233A TRIAXIAL ACCELEROMETER

SPECIFICATIONS	VALUE	UNITS
PHYSICAL		
WEIGHT	28	grams
SIZE (HEIGHT x WIDTH x DEPTH)	1.0 x 1.3 x .52 (33 x 25 x 13)	inches mm
MOUNTING	8-32 or M4 Screw	
CONNECTOR	4-PIN [1]	
MATERIAL, CASE/CONNECTOR	TITANIUM ALLOY	
PERFORMANCE		
SENSITIVITY, $\pm 10\%$ [2]	1000	mV/g
RANGE, FULL SCALE (each axis)	± 5	g pk
FREQUENCY RESPONSE, (axis 1 & 2) $\pm 10\%$ (axis 3) $\pm 10\%$.4 to 3000 .4 to 6000	Hz Hz
ELEMENT NATURAL FREQUENCY, NOM.	20	kHz
EQUIVALENT ELECTRICAL NOISE	.0001	g rms
LINEARITY [3]	1	%F.S.
TRANSVERSE SENSITIVITY, MAX,	5	%
SIGNAL POLARITY	POSITIVE FOR ACCELERATION IN DIRECTION OF ARROWS ON CASE	
ENVIRONMENTAL		
MAXIMUM VIBRATION	± 500	g
MAXIMUM SHOCK	5000	g
TEMPERATURE RANGE	-60 to +200	°F
ENVIRONMENTAL SEAL	HERMETIC	
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
ENVIRONMENTAL		
SUPPLY CURRENT RANGE, (each axis) [4]	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE (each axis)	+18 to +30	VDC
OUTPUT IMPEDANCE, TYP.	100	OHMS
OUTPUT BIAS VOLTAGE	+11 to +13	VDC
DISCHARGE TIME CONSTANT, NOM.	1	SEC
GROUND ISOLATION	CASE GROUNDED TO SIGNAL GROUND CASE ISOLATED FROM MOUNTING SURFACE	

[1] Connector mates with Dytran cable assy. Model 6811Axx. (xx = length in feet)

[2] Reference sensitivity measured at 100 Hz, 1 g rms per ISA RP 37.2

[3] Linearity is % of specified full scale (or any lesser full scale range), zero-based best-fit straight-line method.

[4] Power only with Dytran LIVM power unit or other Dytran-compatible constant current type power unit. If power is applied without current limiting protection, the internal amplifier will be immediately destroyed.