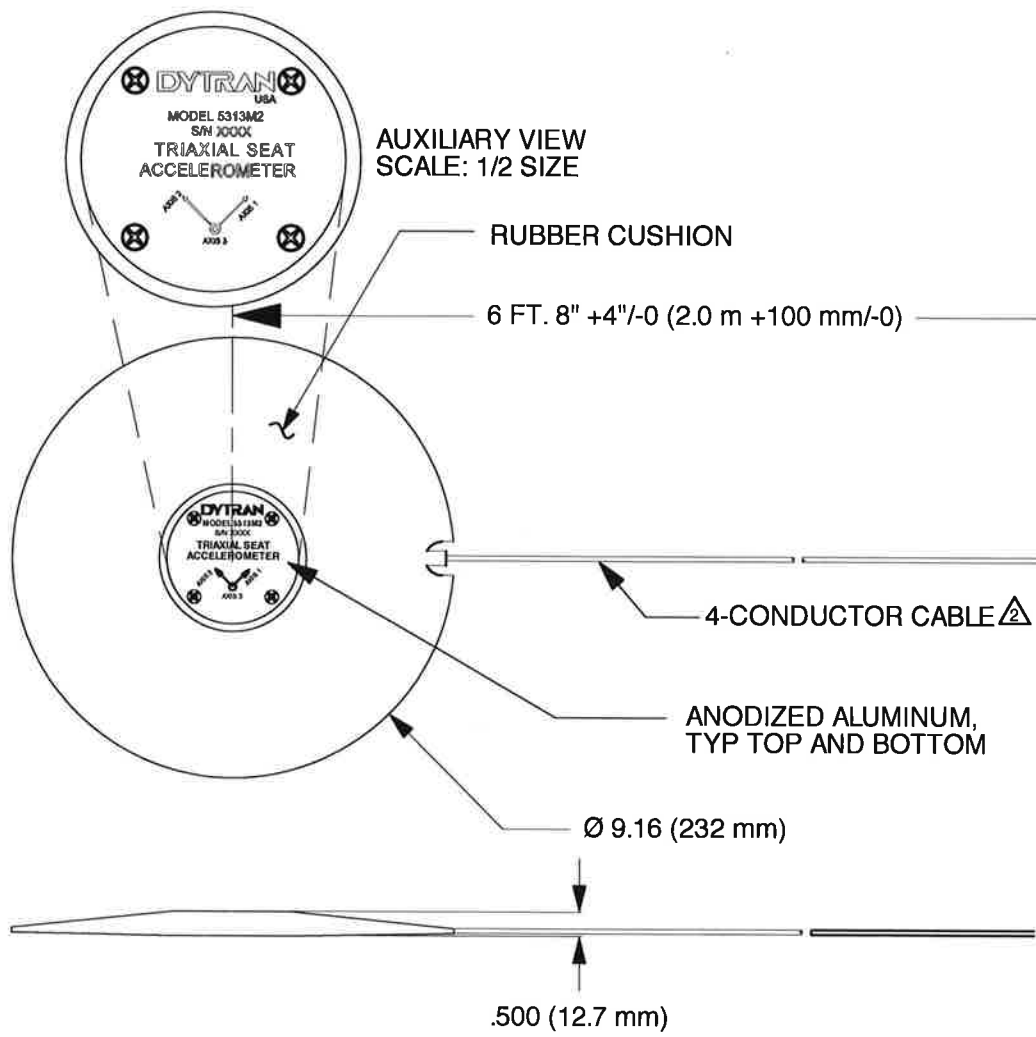
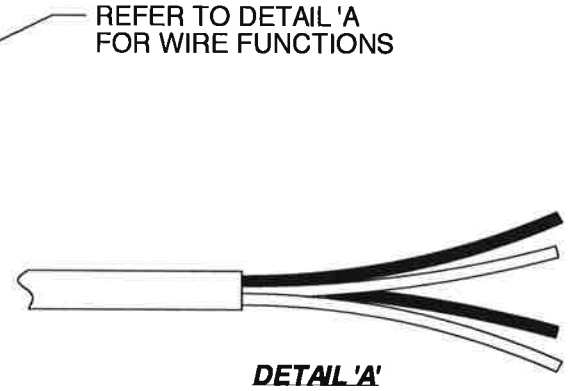


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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	12553	REVISED FORMAT	RA, 03/11/16	MH	AS
B	13418	SEE ECN	MH, 04/21/17	lw	Em



4-CONDUCTOR CABLE	
AWG	30-7/38 SILVER PLATED COPPER-CONDUCTOR CABLE
WIRE TYPE	PFA INSULATION O.D. .024 ±.002
WIRE TEMP.	-65°C TO 200°C
VOLTAGE	600 VOLTS
CABLE	1/2" LEFT HAND LAY
SHIELD	38 AWG SILVER PLATED COPPER 90% COVER 4E018C 42F/208
JACKET	BLK FEP .006/.015 WALL THICKNESS
DIAMETER	MIN .095/1.105 MAX



WIRE COLOR	WIRE FUNCTION
BLACK	COMMON GND
RED	AXIS 2
WHITE	AXIS 3
YELLOW	AXIS 1

NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M-1994 REMOVE BURRS COUNTERSINKS INTERNAL THDS 90° TO MAJOR DIA CHAM EXT THDS 45° TO MAJOR DIA THD LENGTHS AND DEPTHS ARE FOR THDS PER MIL-S- 7742 DIMENSIONS APPLY AFTER FINISHING.		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSION IN BRACKETS [ ] ARE IN MILLIMETERS. TOLERANCES ARE: INCHES      METRIC      ANGLES XX ±.03      .X ± 0.8      ± 1° XXX ±.010    XX ± 0.25		CONTRACT NO.	
USED ON	NEXT ASSY	MATERIAL		APPROVALS	
APPLICATION		FINISH		ORIG	N.C. 10/29/04
THIRD ANGLE PROJECTION USA		DO NOT SCALE DRAWING		CHK	R.A. 10/29/04
ALL MACHINED SURFACES TOTAL RUNOUT WITHIN .005 BREAK SHARP EDGES .005 TO .010 MACHINE FILLET RADI .005 TO .015. WELDING SYMBOLS PER AWS A2.4 ABBREVIATIONS PER MIL-STD-12				APP	N.C. 10/29/04
				APP	

**MASTER**  
ONLY IF IN RED  
CHATSWORTH, CA.

<b>OUTLINE/INSTALLATION DWG. MOD 5313M2 TRIAxIAL SEAT ACCEL</b>			
SIZE	CAGE CODE	DWG. NO.	REV
<b>A</b>	<b>2W033</b>	<b>127-5313M2</b>	<b>B</b>
SCALE:		ASHLAR GRAPHITE	SHEET 1 OF 1



- HERMETICALLY SEALED
- EXCELLENT LINEARITY

**PHYSICAL**

Weight, Max.  
 Size (Dia. X Thickness)  
 Material, Pad  
 Material, Central Housing Plates (Upper and Lower)  
 Cable  
 Cable Termination

ENGLISH		SI	
0.5	lb.	227	grams
9.16 x .47	in.	232 x 12	mm
Rubber		Rubber	
Anodized Aluminum		Anodized Aluminum	
4-wire, 6ft. Long		4-wire, 6ft. Long	
Pigtail		Pigtail	

**PERFORMANCE**

Sensitivity, ±5% [1] [2]  
 Range F.S. for ± 5 Volts Output  
 Frequency Response, ±5%  
 Resonant Frequency  
 Equivalent Electrical Noise Floor  
 Linearity [3]  
 Transverse Sensitivity, Max.  
 Strain Sensitivity @ 250µε

100	mV/G	10	mV/m/s <sup>2</sup>
±50	g pk	±491	m/s <sup>2</sup> pk
0.5 to 3000	Hz	0.5 to 3000	Hz
> 25	kHz	> 25	kHz
0.0007	g RMS	0.007	m/s <sup>2</sup> RMS
± 1	% F.S.	± 1	% F.S.
6	%	6	%
0.012	g/µε	0.12	m/s <sup>2</sup> /µε

**ENVIRONMENTAL**

Maximum Shock  
 Operating Temperature Range  
 Survival Temperature Range  
 Seal  
 Coefficient of Thermal Sensitivity

±1500	g pk	±14715	m/s <sup>2</sup> pk
-60 to +160	°F	-51 to +71	°C
-100 to +275	°F	-73 to +135	°C
Hermetic		Hermetic	
0.03	%/°F	0.05	%/°C

**ELECTRICAL**

Supply Current Range [4]  
 Compliance Voltage Range  
 Output Impedence, Typ.  
 Bias Voltage  
 Discharge Time Constant  
 Electrical Isolation, Case ground to mounting surface  
 Polarity in direction of arrows

2 to 20	mA	2 to 20	mA
+18 to +30	Volts	+18 to +30	Volts
100	Ω	100	Ω
+11 to +13	VDC	+11 to +13	VDC
0.8 to 2.0	Sec	0.8 to 2.0	Sec
10	MΩ, min.	10	MΩ, min.
Positive		Positive	

**This family also includes:**

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

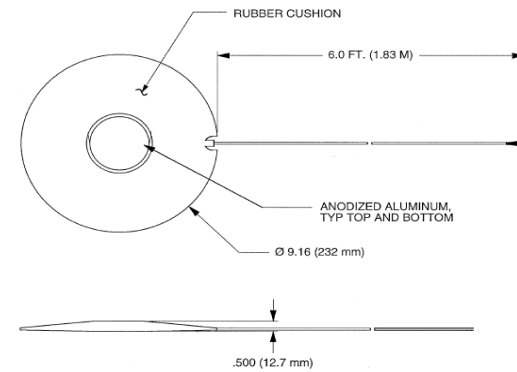
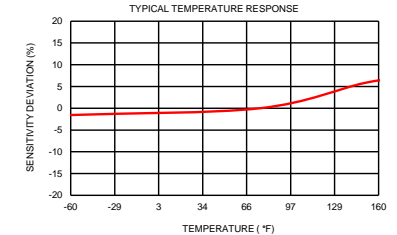
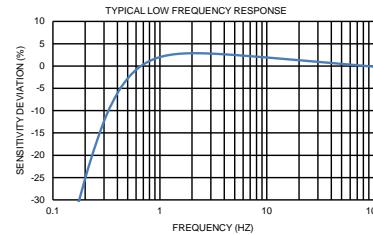
Refer to the performance specifications of the products in this family for detailed description

**Supplied Accessories:**

- 1) Accredited calibration certificate (ISO 17025)

**Notes:**

- [1] All specifications are at room temperature unless otherwise specified.
  - [2] Measured at 100Hz, 1 g RMS per ISA RP 37.2.
  - [3] Measured using zero-based straight line method, % of F.S. or any lesser range.
  - [4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the amplifier.
  - [5] This product conforms to ISO 8041.
  - [6] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5313M2 for more information.

