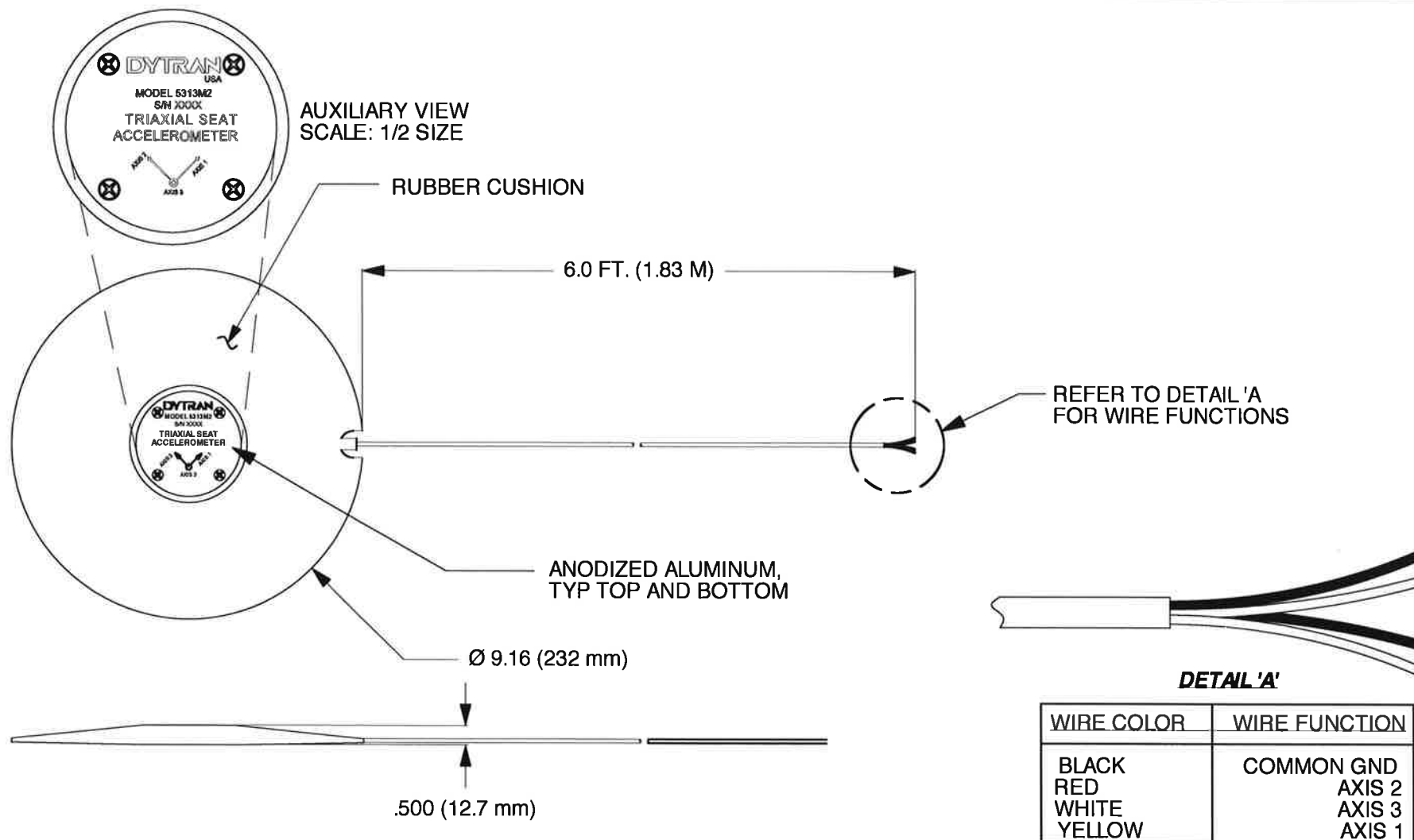




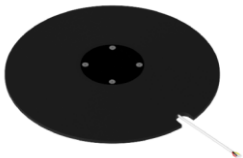
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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	12553	REVISED FORMAT	RA, 03/11/16	MH	AS



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:		CONTRACT NO.		 MASTER ONLY IF IN RED				
			INCHES .XX ± .03 .XXX ± .010	METRIC .X ± 0.8 .XX ± 0.25	ANGLES ± 1°	TITLE OUTLINE/INSTALLATION DWG. MOD 5313M2 TRIAxIAL SEAT ACCEL					
USED ON	NEXT ASSY		MATERIAL						APPROVALS		DATE
APPLICATION			FINISH			ORIG	N.C.	10/29/04			
THIRD ANGLE PROJECTION USA		ALL MACHINED SURFACES TOTAL RUNOUT WITHIN .005 BREAK SHARP EDGES .005 TO .010 MACHINE FILLET RAD .005 TO .015. WELDING SYMBOLS PER AWS A2.4 ABBREVIATIONS PER MIL-STD-12			CHK	R.A.	10/29/04	SIZE	CAGE CODE	DWG. NO.	REV
					APP	N.C.	10/29/04	A	2W033	127-5313M2	A
					DO NOT SCALE DRAWING			APP	SCALE:		ASHLAR GRAPHITE

Model Number 5313M2		PERFORMANCE SPECIFICATIONS				DOC NO PS5313M2	
		IEPE TRIAXIAL SEAT ACCELEROMETER				REV A, ECN 12553, 03/08/16	
		<ul style="list-style-type: none">• HERMETICALLY SEALED• EXCELLENT LINEARITY					
PHYSICAL		ENGLISH		SI			
Weight, Max.		0.5 lb.		227 grams			
Size (Dia. X Thickness)		9.16 x .47 in.		232 x 12 mm			
Material, Pad		Rubber		Rubber			
Material, Central Housing Plates (Upper and Lower)		Anodized Aluminum		Anodized Aluminum			
Cable		4-wire, 6ft. Long		4-wire, 6ft. Long			
Cable Termination		Pigtail		Pigtail			
PERFORMANCE							
Sensitivity, ±5% [1]		100 mV/G		10 mV/m/s ²			
Range F.S. for ± 5 Volts Output		±50 G peak		±491 m/s ² peak			
Frequency Response, ±5%		0.5 to 3000 Hz		0.5 to 3000 Hz			
Resonant Frequency		> 25 kHz		> 25 kHz			
Equivalent Electrical Noise Floor		0.0007 G rms		0.007 m/s ² rms			
Linearity [2]		± 1 % F.S.		± 1 % F.S.			
Transverse Sensitivity, Max.		5 %		5 %			
Strain Sensitivity @ 250µε		0.012 G/µε		0.12 m/s ² /µε			
ENVIRONMENTAL							
Maximum Vibration		±400 G peak		±3924 m/s ² peak			
Maximum Shock		±1500 G peak		±14715 m/s ² peak			
Operating Temperature Range		-60 to +160 °F		-51 to +71 °C			
Survival Temperature Range		-100 to +275 °F		-73 to +135 °C			
Seal		Hermetic		Hermetic			
Coefficient of Thermal Sensitivity		0.03 %/°F		0.05 %/°C			
ELECTRICAL							
Supply Current Range [3]		2 to 20 mA		2 to 20 mA			
Compliance Voltage Range		+18 to +30 Volts		+18 to +30 Volts			
Output Impedence, Typ.		100 Ω		100 Ω			
Bias Voltage		+11 to +13 VDC		+11 to +13 VDC			
Discharge Time Constant		0.8 to 2.0 Sec		0.8 to 2.0 Sec			
Electrical Isolation, Case ground to mounting surface		10 MΩ, min.		10 MΩ, min.			
Polarity in direction of arrows		Positive		Positive			