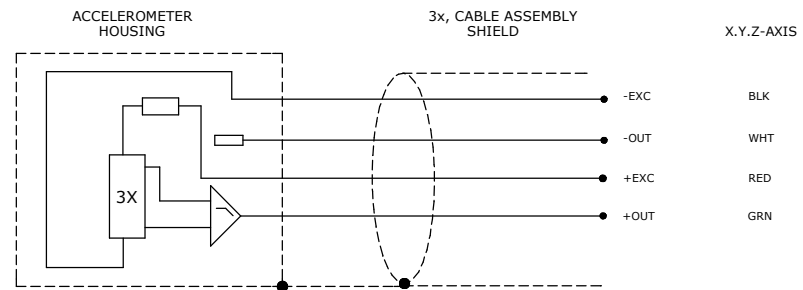


**SPECIFICATIONS:**

All values are typical at +24°C (+75°F), 12Vdc excitation and apply to each axis unless otherwise stated.

PARAMETERS	VALUE							UNITS
DASH NO.	-002	-005	-010	-030	-050	-100	-200	
DYNAMIC RANGE	±2	±5	±10	±30	±50	±100	±200	g
SENSITIVITY ±10% (DIFFERENTIAL)	1000	400	200	67	40	20	10	mV/g
FREQ RESPONSE ±5%	0-200	0-600	0-800	0-800	0-800	0-1000	0-1000	Hz
RESIDUAL NOISE (PASSBAND)	200	250	250	250	250	300	300	µVrms
SHOCK LIMIT (any direction)	2000	5000	5000	5000	5000	5000	5000	g

PARAMETERS	VALUE	UNITS
ZERO ACCELERATION OUTPUT (DIFFERENTIAL)	±50	mV
TRANSVERSE SENSITIVITY	<3	%
NON-LINEARITY (BFSL)	±1	%FSO
THERMAL ZERO SHIFT, REFERENCE 24°C (75°F)	-40 to +100°C (-40 to +212°F)	±2.5
THERMAL SENSITIVITY SHIFT, REFERENCE 24°C (75°F)	-40 to +100°C (-40 to +212°F)	±3.0
THERMAL SENSITIVITY SHIFT, REFERENCE 24°C (75°F)	-40 to +100°C (-40 to +212°F)	±3.5
EXCITATION VOLTAGE	8 to 36	Vdc
EXCITATION CURRENT PER CHANNEL	<5	mA
COMMON MODE VOLTAGE	1.6	Vdc
FULL SCALE OUTPUT VOLTAGE	±2	Vpk (FSO=2V)
OUTPUT IMPEDANCE	<100	Ω
INSULATION RESISTANCE (@100Vdc) BETWEEN CHANNELS, CHANNELS TO SHIELD	>100	MΩ
TURN ON TIME	<100	mSEC
OPERATING AND STORAGE TEMPERATURE	-54 to +121 (-65 to +250)	°C (°F)
HUMIDITY (ACTIVE ELEMENT AND HI IMP ELECTRONICS)	Hermetic Seal	
HUMIDITY (HOUSING & LO IMP ELECTRONICS)	Silicone Potted IP65	
WEIGHT (CABLE NOT INCLUDED)	30	Grams
MOUNTING TORQUE	6 (0.7)	lb-in (Nm)



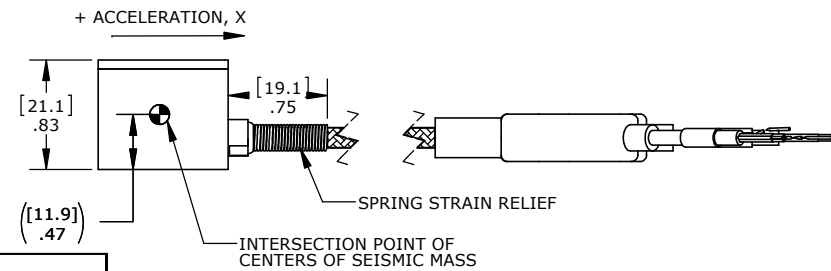
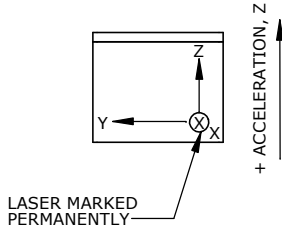
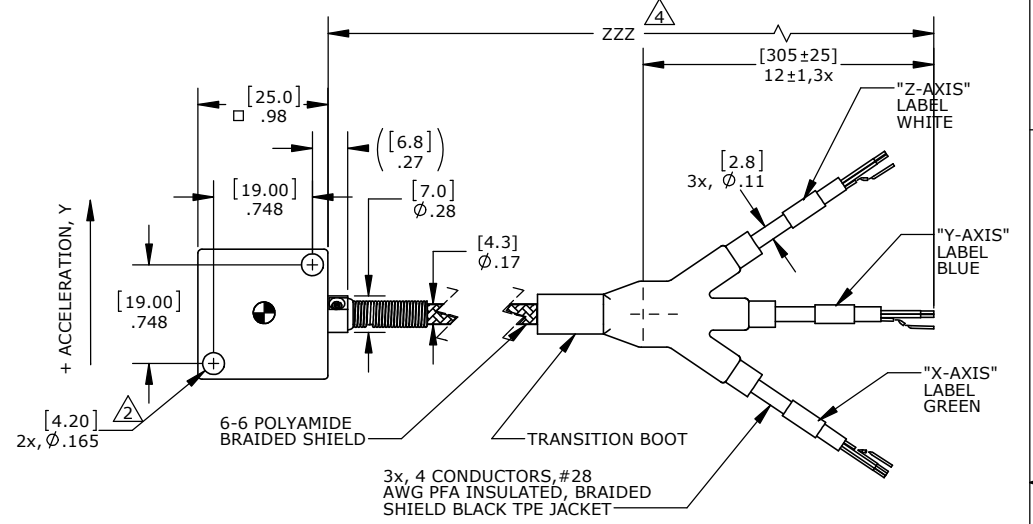
- NOTES:**
- ELECTRICAL ISOLATION IS PROVIDED BY ANODIZED ALUMINUM HOUSING. SINGLE-POINT GROUNDING BY USER REQUIRED TO PREVENT GROUND LOOPS (SHIELD OF MATING CABLE MUST FLOAT ON USER END WHEN MOUNTING ACCELEROMETER TO CONDUCTIVE SURFACE). FROM MOUNTING SURFACE TO EACH CHANNEL AND FROM CHANNEL TO CHANNEL.
  - FOR #8-32 (UNIFIED SCREW THREAD) OR M4 METRIC SOCKET HEAD CAP SCREW
  - MODEL NUMBER: 4630M9-XXX-ZZZ-Y-C

STANDARD SPECIAL REQUIREMENTS OTHERWISE LEAVE BLANK  
 CABLE LENGTH (INCHES) [e.g. 060 IS 60 INCHES OF CABLE]  
 RANGE (g) [e.g. 010 IS 10g RANGE]

SEE TABULATION FOR LENGTH TOLERANCE.

TABULATION	
ZZZ	TOLERANCE
≤ 4 [102]	+0.5 [13] -0 [0]
> 4 [102] & ≤ 12 [305]	+1 [25] -0 [0]
> 12 [305] & ≤ 60 [1524]	+2 [51] -0 [0]
> 60 [1524] & ≤ 120 [3048]	+4 [102] -0 [0]
> 120 [3048] & ≤ 360 [9144]	+6 [152] -0 [0]
> 360 [9144]	+12 [305] -0 [0]

REVISIONS				
REV	DESCRIPTION	DRAWN/DATE	CHECKED/DATE	APPR./DATE
D	CHANGE THE WEIGHT FROM 65 TO 30	CL/4-14-16	AR/4-14-16	TFC/4-14-16
E	CHANGE VALUE IN THE RESIDUAL NOISE	CL/6-22-16	AR/6-22-16	TFC/6-22-16
F	CORRECTED DIRECTIONAL ARROWS	CL/2-17-17	AR/2-17-17	TFC/2-17-17



UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES [MM]	DRAWN	C.LI	10-9-15
TOLERANCES:	CHECKED	A.RAO	10-9-15
ANGULAR ±5°	ENG APPR.	T.CONNOLLY	10-9-15
TWO PLACE DECIMAL ±.03 [.8]			
THREE PLACE DECIMAL ±.010 [.25]			
MATERIAL	MFG APPR.		
FINISH	Q.A. APPR.		
PROPRIETARY AND CONFIDENTIAL	COMMENTS:		
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	INTERPRET GEOMETRIC TOLERANCING PER ANST Y14.5M-1994		

**TE**  
connectivity

Aliso Viejo, CA 92656

**TITLE:**  
MODEL 4630M9-XXX-ZZZ,  
TRIAx ACCELEROMETER

SIZE	DWG. NO.	REV
<b>B</b>	OD-4630M9-XXX-ZZZ-C	<b>F</b>
SCALE: NTS	WEIGHT:	SHEET 1 OF 2

The following table defines standard optional features available on 4630M9 series accelerometers and their part number designations for ordering.

Part number will be 4630M9-XXX-ZZZ-Y-C

Option Designation -Y	Standard Optional Feature Description: Product is same as standard product except as noted below.
-1	Add Lemo FGG.1B.307.CLAD52Z connector and wire as drawing AC-S-CONN, Wiring Code A7



SIZE	DWG. NO.	REV
<b>B</b>	OD-4630M9-XXX-ZZZ-C	<b>F</b>
		SHEET 2 OF 2