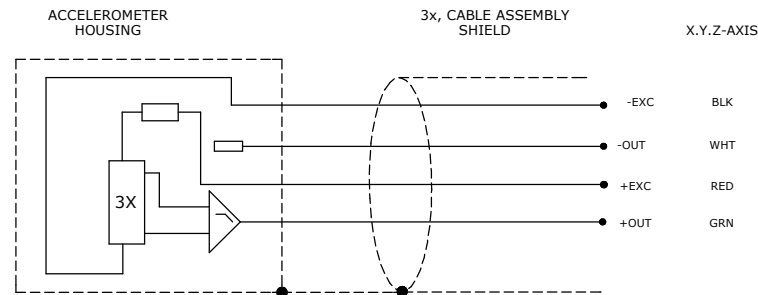


**SPECIFICATIONS:**

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	-500		
DYNAMIC RANGE	±2	±5	±10	±30	±50	±100	±200	±500		g
SENSITIVITY ±10% (DIFFERENTIAL)	1000	400	200	67	40	20	10	4		mV/g
FREQ RESPONSE ±5%	0-200	0-600	0-800	0-800	0-800	0-1000	0-1000	0-1200		Hz
RESIDUAL NOISE (PASSBAND)	200	250	250	250	250	300	300	400		µVrms
SHOCK LIMIT (any direction)	2000	5000	5000	5000	5000	5000	5000	10000		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) -54 to +121°C (-65 to +250°F)	±2.5 ±3.0	%FSO
THERMAL SENSITIVITY SHIFT, REFERENCE 24°C (75°F)	-40 to +100°C (-40 to +212°F) -40 to +100°C (-40 to +212°F), FOR DASH NO.-500 -54 to +121°C (-65 to +250°F) -54 to +121°C (-65 to +250°F), FOR DASH NO.-500	±3.0 ±5.5 ±3.5 ±6.5	%
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:**

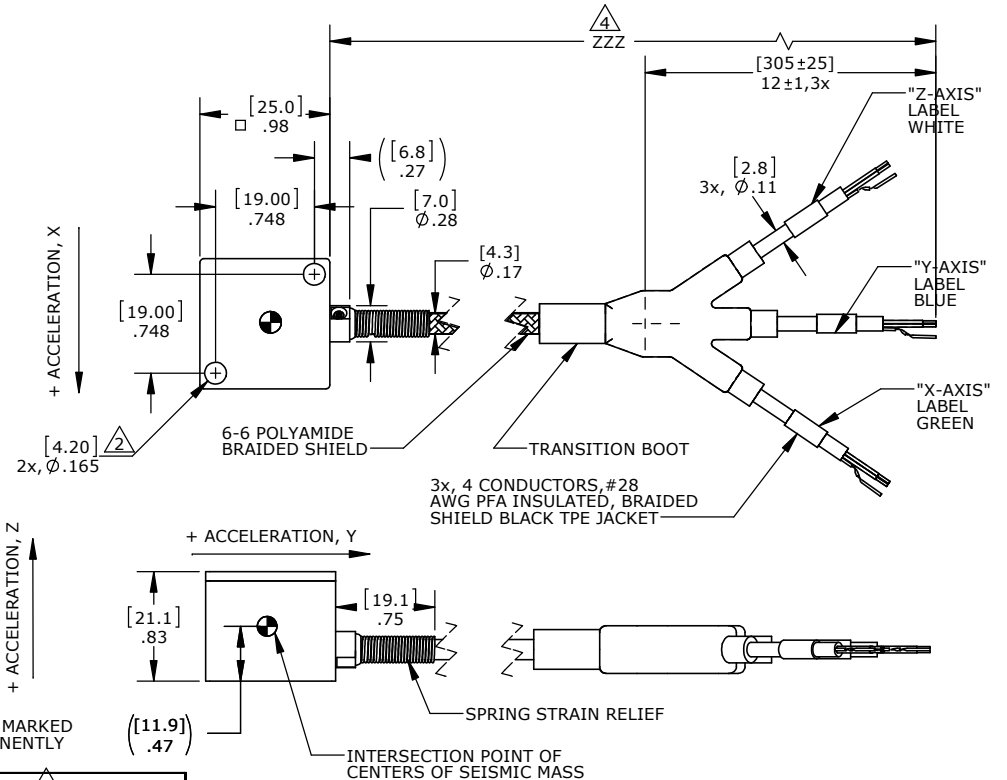
- ALUMINUM HOUSING, WITH CHEM FILM COATING IS ELECTRICALLY CONDUCTIVE. SINGLE-POINT GROUNDING BY USER REQUIRED TO PREVENT GROUND LOOPS (SHIELD OF MATING CABLE MUST FLOAT ON USER END WHEN MOUNTING ACCELEROMETER TO CONDUCTIVE SURFACE). FROM MOUNTING SURFACE TO EACH CHANNEL AND FROM CHANNEL TO CHANNEL.
- FOR #8-32 (UNIFIED SCREW THREAD) OR M4 METRIC SOCKET HEAD CAP SCREW
- MODEL NUMBER:  
4630M8-XXX-ZZZ-C  
VC SENSOR DESIGNATOR, LEAVE BLANK FOR PR  
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
C	SWAP THE X AND Y AXIS, REVERSE X DIRECTION	CL/12-10-15	AR/12-10-15	TFC/12-10-15
D	UPDATE THE WEIGHT TO 30, ADD -500 TSS LIMIT	CL/4-14-16	AR/4-14-16	TFC/4-14-16
E	CHANGE VALUE IN THE RESIDUAL NOISE	CL/6-04-16	AR/6-04-16	TFC/6-04-16



UNLESS OTHERWISE SPECIFIED:	NAME	DATE	<p>Aliso Viejo, CA 92656</p>
DIMENSIONS ARE IN INCHES [MM]	DRAWN	C.L. 9-08-15	
TOLERANCES:	CHECKED	A.R. 9-08-15	
ANGULAR ±5° TWO PLACE DECIMAL ±.03 [.8] THREE PLACE DECIMAL ±.010 [.25]	ENG APPR.	TFC 9-08-15	
MATERIAL	MFG APPR.		TITLE:
FINISH	Q.A. APPR.		MODEL 4630M8-XXX-ZZZ, TRIAx ACCELEROMETER
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MEASUREMENT SPECIALTIES, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MEASUREMENT SPECIALTIES, INC. IS PROHIBITED.	COMMENTS:	DO NOT SCALE DRAWING INTERPRET GEOMETRIC TOLERANCING PER ANST Y14.3M-1994	SIZE DWG. NO.
			<b>B</b> OD-4630M8-XXX-ZZZ
			REV <b>E</b>
			SCALE: NTS WEIGHT: SHEET 1 OF 1