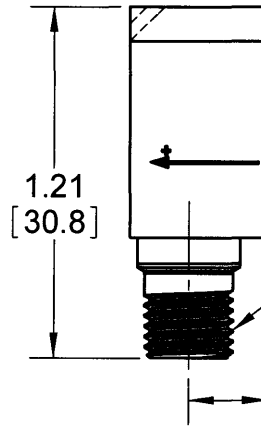
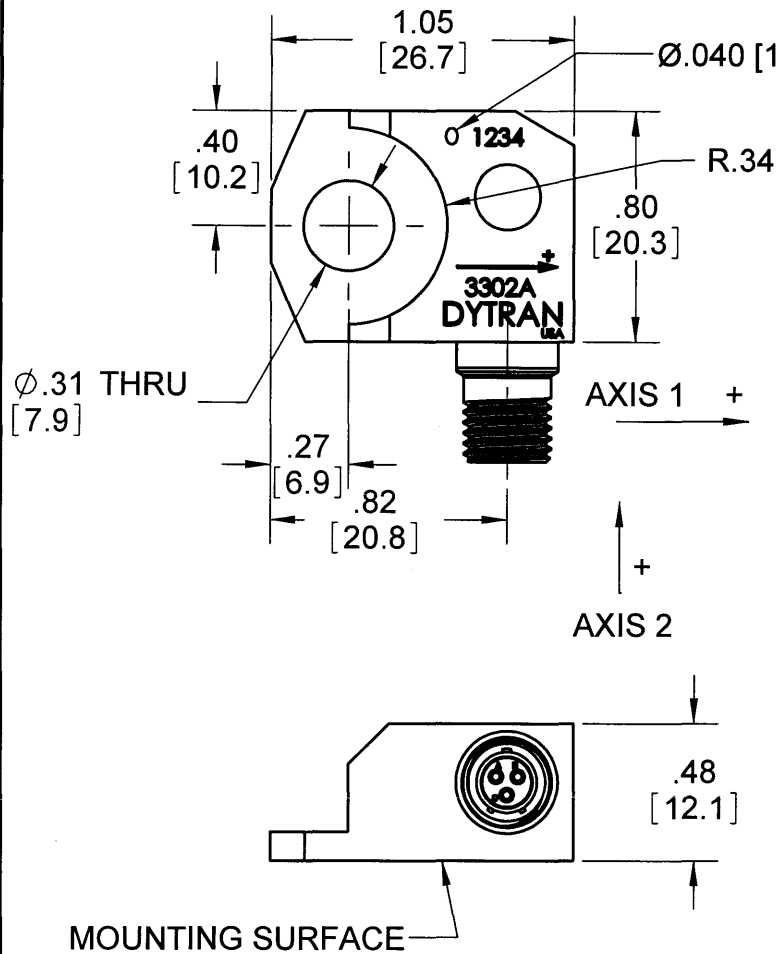


PROPRIETARY AND CONFIDENTIAL

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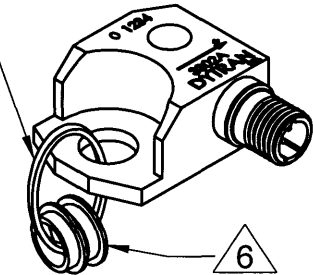
REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6238	INITIAL RELEASE	RA FOR NC, 09/23/09	DV	ep



TIEWRAP, SUPPLIED

CONNECTOR PINOUT
 PIN A SIG/PWR AXIS 1
 PIN B SIG/PWR AXIS 2
 PIN C COMMON GROUND RET.



- △ 6 ADAPTER BUSHING SUPPLIED: 6555 (Ø.250 THRU HOLE)
6555A1 (Ø.188, THRU HOLE)
- △ 5 MATING CONNECTOR: GLENAIR 257-132-3S
- 4. ARROWS SHOW DIRECTION OF ACCELERATIONS FOR POSITIVE-GOING OUTPUT SIGNAL.
- 3. WEIGHT: APPROX 30 GRAMS
- 2. SENSITIVITY: 10 mV/g.
- △ 1 HOUSING MATERIAL: 316L STAINLESS STEEL.
CONNECTOR: 304L S.S.

NOTES: UNLESS OTHERWISE SPECIFIED

3302A	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

UNLESS OTHERWISE SPECIFIED:
 INTERPRET DIM & TOL PER ASME Y14.5M - 1994.
 REMOVE BURRS.
 COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA.
 CHAM EXT THDS 45° TO MINOR DIA.
 THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS.
 THDS PER MIL-S-7742.
 DIMENSIONS APPLY AFTER FINISHING.

ALL MACHINED SURFACES. ✓
 TOTAL RUNOUT WITHIN .005.
 BREAK SHARP EDGES .005 TO .010.
 MACHINED FILLET RADII .005 TO .015.
 WELDING SYMBOLS PER AWS A2.4.
 ABBREVIATIONS PER MIL-STD-12.

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS
 TOLERANCES ARE:
 INCHES METRIC ANGLES
 .XX ± .03 .X ± 0.8 ± 1°
 .XXX ± 0.10 .XX ± 0.25

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.	
APPROVALS	DATE
ORIG NC	09/22/09
CHK DV	10/14/09
APP ep	10/12/09
APP	

DYTRAN INSTRUMENTS, INC. **MASTER ONLY IF IN RED** Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION, BIAxIAL ACCELEROMETER, MODEL 3302A**

SIZE A	CAGE CODE 2W033	DWG. NO. 127-3302A	REV A
SCALE: 1.5:1	SOLIDWORKS	SHEET 1 OF 1	



- BI-AXIAL ACCELEROMETER
- EXCELLENT LINEARITY
- ELECTRICALLY ISOLATED
- HERMETICALLY SEALED

PHYSICAL

		ENGLISH		SI	
Weight, Max		1.05	oz	30	grams
Size	Length x Width x Height	1.05 x 1.208 x .406	Inches	26.67 x 30.68 x 10.31	mm
Connector	Type	3-Pin		3-Pin	
	Thread	5/16-28 UN-2A		5/16-28 UN-2A	
Mounting Provision, Integral Bracket		Ø .31 Thru Hole	Inches	Ø 7.92 Thru Hole	mm
Material	Housing	316 L		316 L	
	Connector	304 L		304 L	
Element Style		Quartz Shear		Quartz Shear	

PERFORMANCE

Sensitivity, ±5% [1]		10	mV/g	1	mV/m/s ²
Range F.S for ± 5 Volts Output		± 500	g	± 4905	m/s ²
Frequency Range [4]	-15% / +5%	1 to 10	Hz	1 to 10	Hz
	±5%	10 to 1000	Hz	10 to 1000	Hz
		1000 to 3000	Hz	1000 to 3000	Hz
	-5% / +15%	> 26	kHz	> 26	kHz
Resonant Frequency		0.007	Grms	0.069	m/s ² rms
Equivalent Electrical Noise Floor		± 1%	F.S.	± 1%	F.S.
Linearity [2]		5	%	5	%
Maximum Transverse sensitivity		0.012	g/µε	0.12	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration		± 600	Gpeak	± 5886	m/s ² peak
Maximum Shock		± 3000	Gpeak	± 29430	m/s ² peak
Temperature Range		-60 to 250	°F	-54 to 121	°C
Seal, Hermetic		Welded/GTM Header		Welded/GTM Header	

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		+7 to +9	VDC	+7 to +9	VDC
Discharge Time Constant, Nom		0.3 to 0.5	Sec	0.3 to 0.5	Sec
Output Signal Polarity for Acceleration Along Arrow On The Housing		Positive		Positive	
Electrical Isolation, Case Ground To Mounting Surface		10	GΩ,min	10	GΩ,min

This family also includes:

Model	Sensitivity	Range F.S ± 5 Volts	Max Vibration/Shock	Resonant Frequency

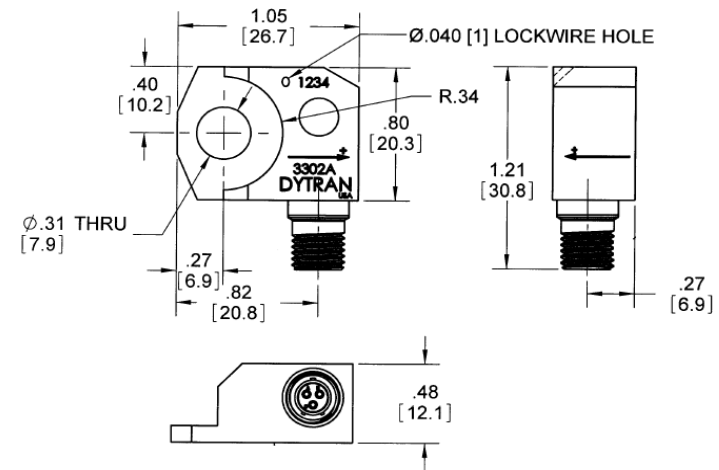
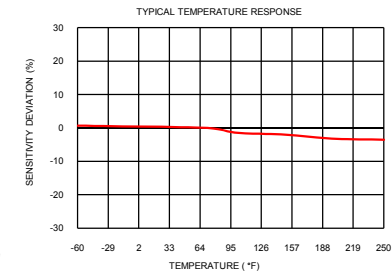
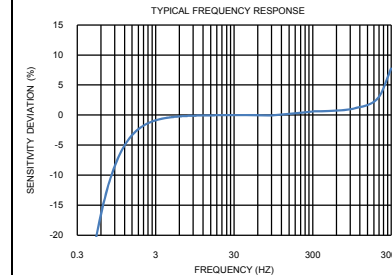
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Adaptor bushing (Ø .250 thru hole), model # 6555A, qty 1
- 3) Adaptor bushing (Ø .188 thru hole), model # 6555A1, qty 1

Notes:

- [1] Measure at 100Hz, 1 Grms per ISA RP 37.2
- [2] Measure using zero-based straight line method, % of F.S. or any lesser range.
- [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.
- [4] Frequency response is referenced to nominal sensitivity
- [5] Connector mates with GLENAIR 257-132-3S
- [6] In the interest of constant product improvement, we reserve the right to change specifications without notice



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3302A for more information.

