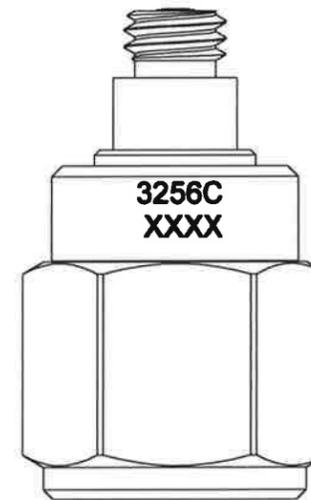
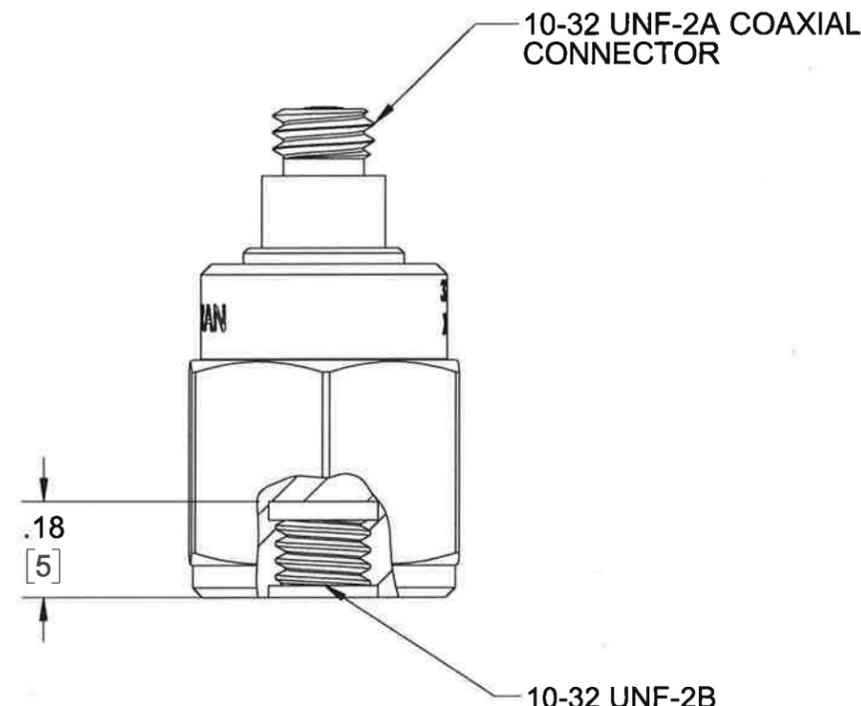
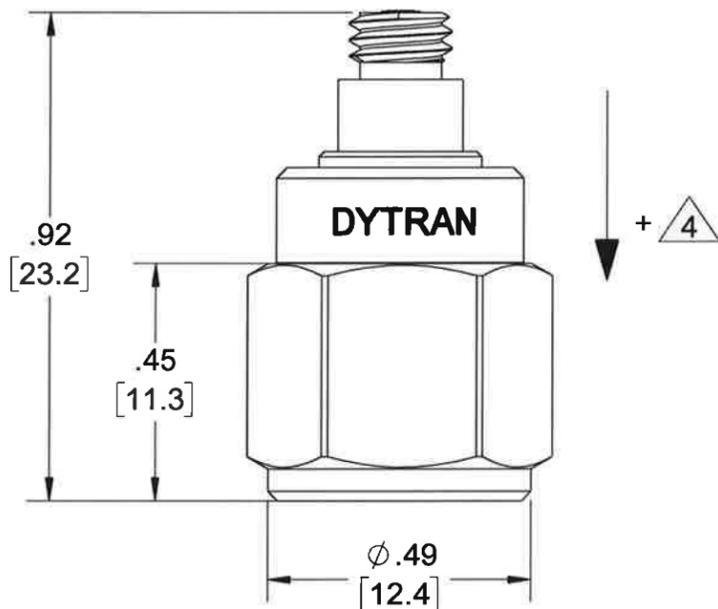
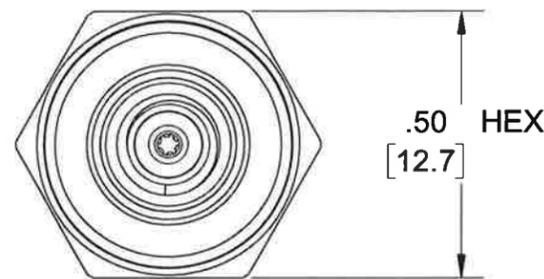


PROPRIETARY AND CONFIDENTIAL

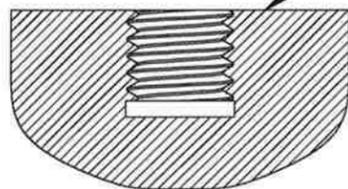
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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4930	INITIAL RELEASE	JS 12/04/07	RA	PML
B	11745	MOVED MARKING FROM HEX TO DIAMETER.	NDC 02/25/15	LN	DV
C	11835	REDESIGNED SEE ECN	RA, 05/18/15	EM	LN
D	13151	ADDED NOTES 1 THRU 4 AND; ZONE C4 ADDED DRAWING REF FOR POSITIVE OUTPUT DIRECTION	LA 12/07/16	RA	LA



MOUNTING RECOMMENDATIONS:  
 PREPARATIONS: SELECT SURFACE FLAT TO .001 TIR  
 TAP 10-32 UNF-2B X .200 MIN THD DEPTH.  
 RECOMMENDED TORQUE: 10-12 LB-IN



- 4 ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.
  - 3 MATES WITH 6013AXX, 6019AXX
  - 2. MATERIAL: TITANIUM
  - 1. WEIGHT: 10 GRAMS APPROXIMATELY
- NOTES: UNLESS OTHERWISE SPECIFIED

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.  
 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.

DECIMALS		METRIC		ANGLES
.XX ±.03	.X ± 0.8	.XX ±.03	.X ± 0.8	±1°
.XXX ±.010	.XX ±0.25			

APPROVALS		DATE
ORIG	JS	12/04/07
CHK	RA	12/06/07
APP	PML	12/06/07

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES  
 DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS TOLERANCES ARE:

**DYTRAN INSTRUMENTS, INC.** Chatsworth, CA

MASTER COPY ONLY IF IN RED

TITLE: **OUTLINE/INSTALLATION, MODEL 3256C**

SIZE <b>B</b>	CAGE CODE <b>2W033</b>	DWG NO <b>127-3256C</b>	REV <b>D</b>
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SCALE: 2:1 SHEET 1 OF 1

<b>MODEL NUMBER</b> <b>3256C</b>	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO.</b> <b>PS3256C</b>
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	<b>Accelerometer, Charge Mode</b>	REV D, ECN 14805, 01/04/18
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- **HERMETICALLY SEALED**
- **HIGH CHARGE OUTPUT**
- **ROBUST DESIGN**

**PHYSICAL**

		ENGLISH		SI	
Weight		0.35	oz	10.0	grams
Connector [1]	Type	Coaxial		Coaxial	
Housing	Material	Titanium		Titanium	
	Material	Titanium		Titanium	
Sensing Element	Isolation	Case Grounded		Case Grounded	
	Material	Ceramic		Ceramic	
	Mode	Shear		Shear	

**PERFORMANCE**

Sensitivity, ± 15% [2]	15	pC/g	1.53	pC/m/s <sup>2</sup>
Acceleration Range [3]	[3]	Gpeak	[3]	m/s <sup>2</sup> peak
Frequency Range, ±5%	[5] 5000	Hz	[5] 5000	Hz
Resonance Frequency	32	kHz	32	kHz
Linearity [4]	±1	%	±1	%
Transverse Sensitivity Max	5	%	5	%

**ENVIRONMENTAL**

Shock Max	5000	g pk	49050	m/s <sup>2</sup>
Vibration Max	600	g pk	5886	m/s <sup>2</sup>
Operating Temperature	-60 to +375	°F	-51 to +190	°C
Seal	Hermetic		Hermetic	
Magnetic Sensitivity at 100 Gauss	0.00007	g/Gauss	0.0006867	m/s <sup>2</sup> /Gauss
Base Strain Sensitivity	0.05	g/με	0.4905	m/s <sup>2</sup> /με

**ELECTRICAL**

Capacitance, nom	975	pF	975	pF
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**This family also includes:**

Model	Sensitivity (pC/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)

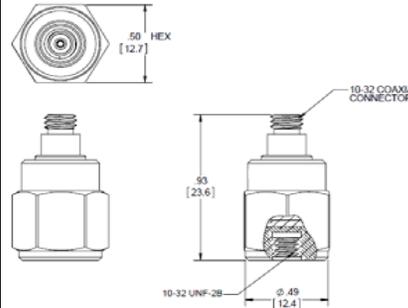
Please, refer to the performance specifications of the products in this family for detailed description

**Supplied Accessories:**

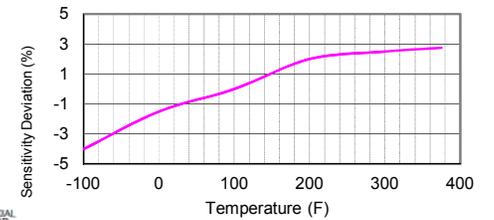
- 1) Model 6200 Mounting Stud
- 2) Accredited Calibration Certificate (ISO 17025)

**Notes:**

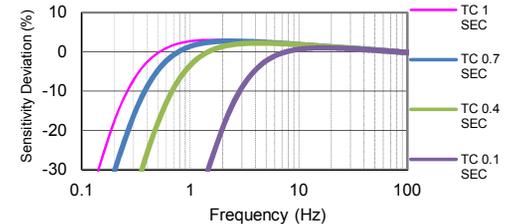
- [1] Mates with Dytran cable Model 6013AXX or 6019AXX (XX= Length in feet).
- [2] Measured At 100 Hz, 1 Grms per ISA RP 37.2
- [3] Depends On the Gain Setting Of The Charge Amplifier Used
- [4] Measured using zero-based best straight line method, % of F.S. or any lesser calibrated range.
- [5] Low Frequency Response Is the Function Of the Discharge Time Constant Of The Charge Amplifier Used. Please, Refer To The Plot Below For Frequency Response For Different Time Constants



TYPICAL SENSITIVITY RESPONSE OVER TEMPERATURE



TYPICAL LOW FREQUENCY RESPONSE



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3256C for more



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