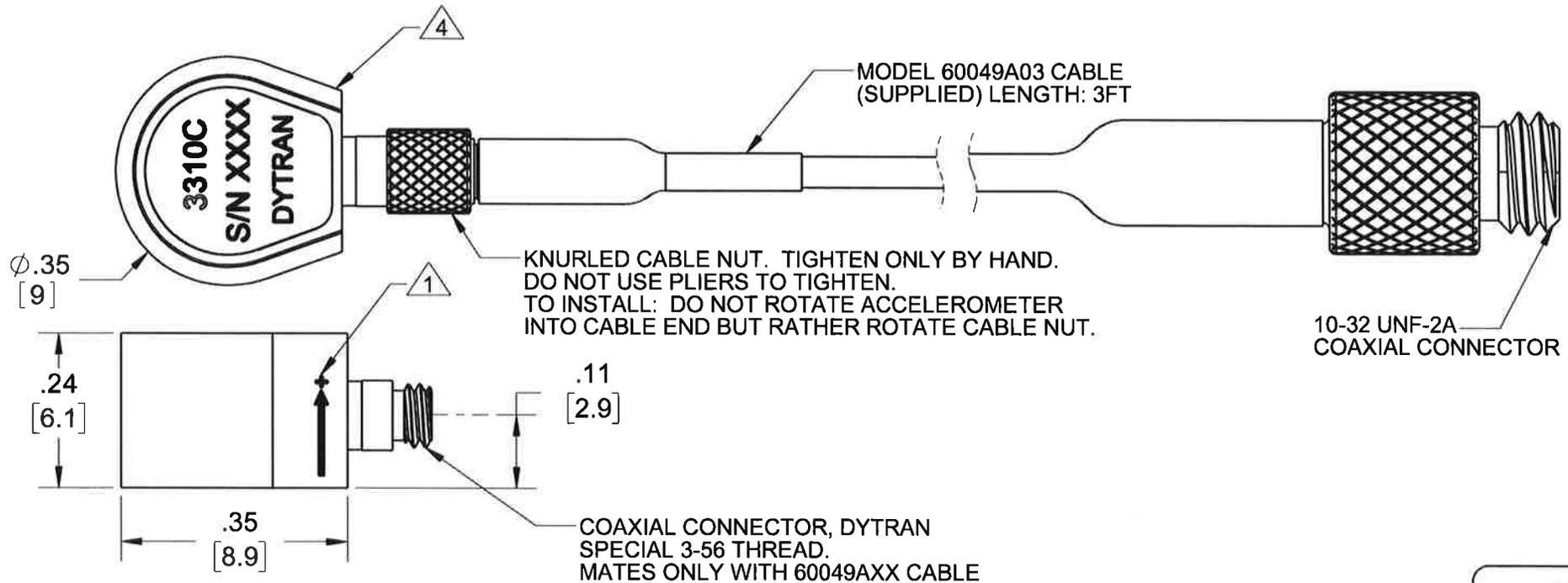


**PROPRIETARY AND CONFIDENTIAL**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

**REVISIONS**

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	13392	INITIAL RELEASE	RA 03/31/17	AS	LN



REMOVAL TOOL. MODEL 6927  
SCALE 2:1

- 4 ISOLATOR CUP: ANODIZED ALUMINUM. DIELECTRIC WITHSTANDING: <1mA AT 1000VDC FOR 60 SECONDS DWELL WITH 20 SECONDS RAMP RATE
- 3. CASE AND CONNECTOR MATERIAL: TITANIUM
- 2. WEIGHT LESS CABLE: 1.8 GRAMS APPROXIMATELY
- 1 ARROW INDICATES DIRECTION OF POSITIVE OUTPUT SIGNAL

**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. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	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
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.	

CONTRACT NO.



TITLE:  
**OUTLINE DRAWING, 3310C**

APPROVALS		DATE
ORIG	RA	03/31/17
CHK	AS	3/31/17
APP	LN	3/31/17
APP		

SIZE <b>A</b>	CAGE CODE <b>2W033</b>	DWG. NO. <b>127-3310C</b>	REV <b>A</b>
SCALE: 4:1		SOLIDWORKS	SHEET 1 OF 1

DO NOT SCALE DRAWING

<b>MODEL NUMBER</b> <b>3310C</b>	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO.</b> <b>PS3310C</b>
-------------------------------------	----------------------------------	----------------------------------

**CHARGE MODE ACCELEROMETER**

REV B, ECN 13549, 07/07/17



- MINIATURE SIZE
- REMOVABLE CABLE
- HERMETICALLY SEALED

ENGLISH		SI	
Weight	0.063 oz	1.8	grams
Mounting Provision	[1]	[1]	
Connector [2]	3-56 UNF-2A	3-56 UNF-2A	
Case Material	Titanium	Titanium	
Sensing Element Type	Single Crystal	Single Crystal	

**PHYSICAL**

Weight  
Mounting Provision  
Connector [2]  
Case Material  
Sensing Element Type

**PERFORMANCE**

Sensitivity [3] [4]	1.0 - 1.3	pC/g	0.10 - 0.13	pC / m/s <sup>2</sup>
Range F.S	[8]		[8]	
Frequency Response, ±3dB	[5] to 20,000	Hz	[5] to 15,000	Hz
Frequency Response, ±10%	[5] to 10,000	Hz	[5] to 10,000	Hz
Frequency Response, ±5%	[5] to 7,000	Hz	[5] to 5,000	Hz
Mounted Resonant Frequency	>45	kHz	>45	kHz
Amplitude Non-Linearity	1	%F.S MAX	1	%F.S MAX
Transverse Sensitivity, Max	5	%	5	%
Strain Sensitivity @250/με	0.00012	g/με	0.0012	m/s <sup>2</sup> /με

**ENVIRONMENTAL**

Maximum Vibration	4000	g rms	39240	m/s <sup>2</sup> rms
Maximum Shock	5000	g	49050	m/s <sup>2</sup>
Temperature Range	-60 to +500	°F	-51 to +260	°C
Environmental Seal	Hermetic		Hermetic	

**ELECTRICAL**

Output Signal Polarity	Positive	Positive
Isolation	[6]	[6]

**This family also includes:**

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

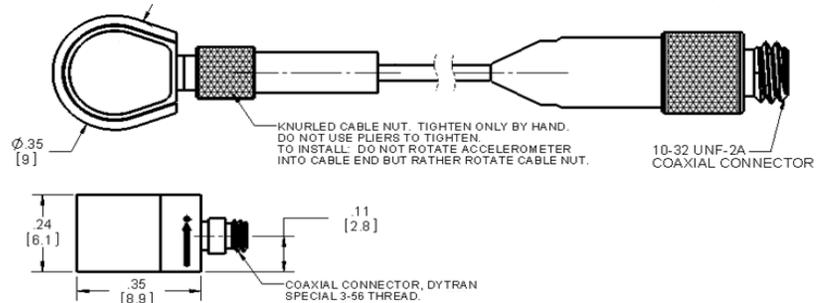
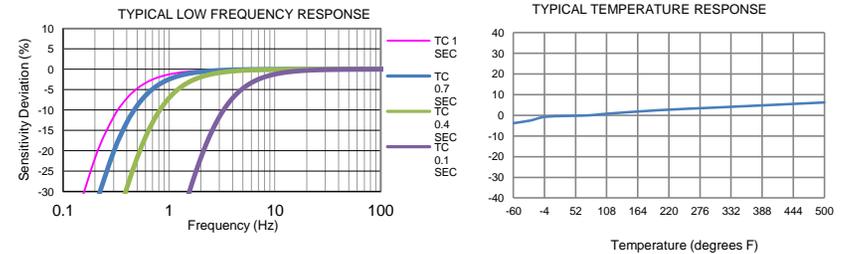
Please, refer to the performance specifications of the products in this family for detailed description.

**Supplied Accessories**

- 1) Model 6927 installation wrench.
- 2) Accredited calibration certificate (ISO 17025)
- 3) Model 60049A03 removable cable.

**Notes:**

- [1] Flat mounting surface for adhesive mount.
- [2] Connector radially mounted. Connector mates only with Dytran cable model 6003XX. (XX is length in feet)
- [3] Measured at 100 Hz, 1 G RMS per ISA RP37.2.
- [4] Actual sensitivity is given on a calibration certificate traceable to NIST, supplied with each instrument.
- [5] Low frequency response is depended upon the discharge time constant of the charge amplifier.
- [6] Case grounded unit epoxied into anodized aluminum cup. Dielectric withstanding of <1mA at 1000VDC
- [7] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- [8] This parameter depends on the gain settings of the charge amplifier used.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3310C for more information.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880  
www.dytran.com For permission to reprint this content, please contact info@dytran.com