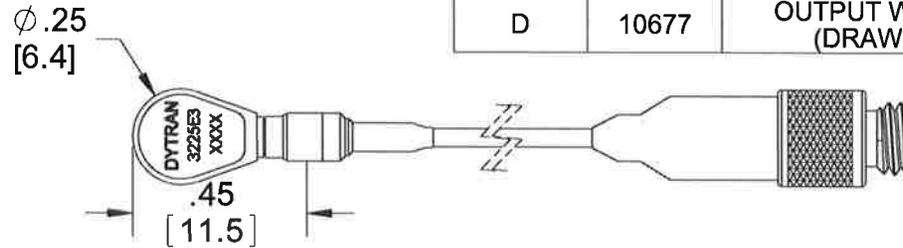


PROPRIETARY AND CONFIDENTIAL

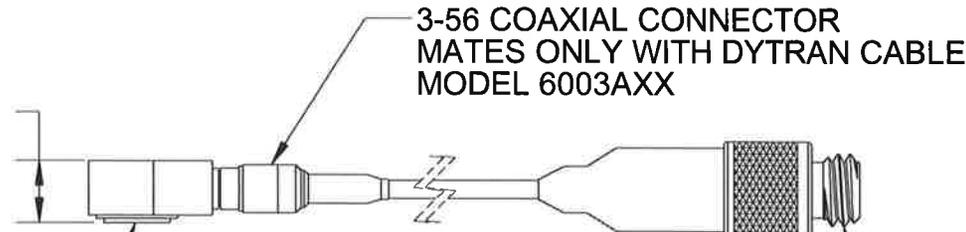
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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	JS	AS
D	10677	OUTPUT WAS POSITIVE (DRAWING ONLY)	JS 01/13/14	EM	DV



.16
[4.1]



MOUNTING SURFACE
Ø.17

10-32 CONNECTOR

- 4 ARROW INDICATES ACCELERATION DIRECTION THAT CORRESPONDS TO NEGATIVE OUTPUT
3. CASE AND CONNECTOR MATERIAL: TITANIUM
2. WEIGHT LESS CABLE: 0.6 GRAMS.
1. RECOMMENDED MOUNTING ADHESIVE: CYANOACRYLATE

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. 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.	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

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 ± .010 .XX ± 0.25	
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

CONTRACT NO.	
APPROVALS	
ORIG	DATE
CHK	DATE
APP	DATE
APP	DATE

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

TITLE: **OUTLINE INSTALLATION DRAWING 3225E3**

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3225E3	D

SCALE: 2:1 SOLIDWORKS SHEET 1 OF 1

MODEL NUMBER 3225E3	PERFORMANCE SPECIFICATION	DOC NO. PS3225E3
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	CHARGE MODE ACCELEROMETER	REV F, ECN 12483, 02/05/16
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- MINIATURE SIZE
- REMOVABLE CABLE
- HERMETICALLY SEALED

PHYSICAL

	ENGLISH		SI	
Weight	0.021	oz	0.6	grams
Mounting Provision	[1]		[1]	
Connector [2]	3 - 56 UNF-2A		3 - 56 UNF-2A	
Case Material	Titanium		Titanium	
Sensing Element Type	Piezoceramic		Piezoceramic	

PERFORMANCE

Sensitivity, ±20% [3] [4]	1.8	pC/g	0.183	pC / m/s ²
Frequency Response, +/- 10%	[5] to 10000	Hz	[5] to 10000	Hz
Mounted Resonant Frequency	>60	kHz	>60	kHz
Amplitude Non-Linearity	2	%F.S MAX	2	%F.S MAX
Transverse Sensitivity, Max	5	%	5	%
Strain Sensitivity @250/μσ	0.04	g/με	0.392	m/s ² / με

ENVIRONMENTAL

Maximum Vibration	400	g rms	3920	m/s ² rms
Maximum Shock	5000	g	49000	m/s ²
Temperature Range	-60 to +350	°F	-51 to + 176	°C
Environmental Seal	Hermetic		Hermetic	

ELECTRICAL

Output Signal Polarity	Negative		Negative	
Case Grounding	Case is grounded		Case is grounded	

This family also includes:

Model					

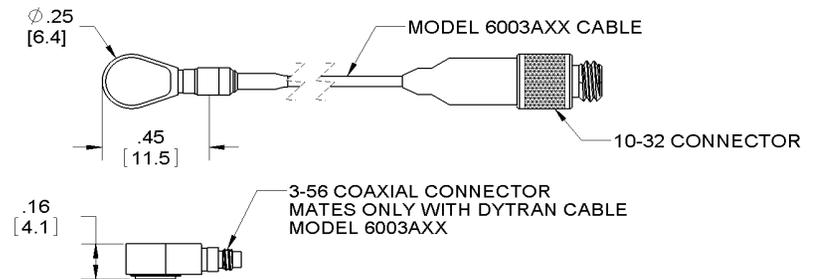
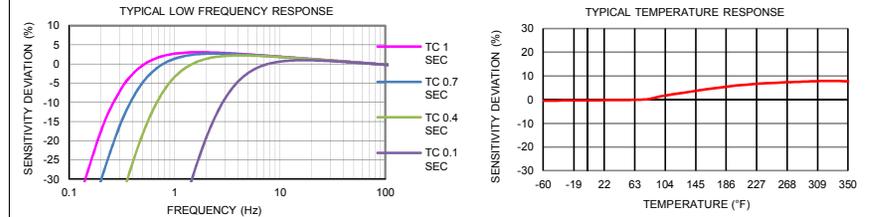
Please, refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories

- 1) Model 6591A installation wrench.
- 2) Model 6298 small petro mounting wax.
- 3) Model 6003A03 removable cable.
- 4) Accredited calibration certificate (ISO 17025)

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 depend upon the discharge time constant of the charge amplifier.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225E3 for more information.



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