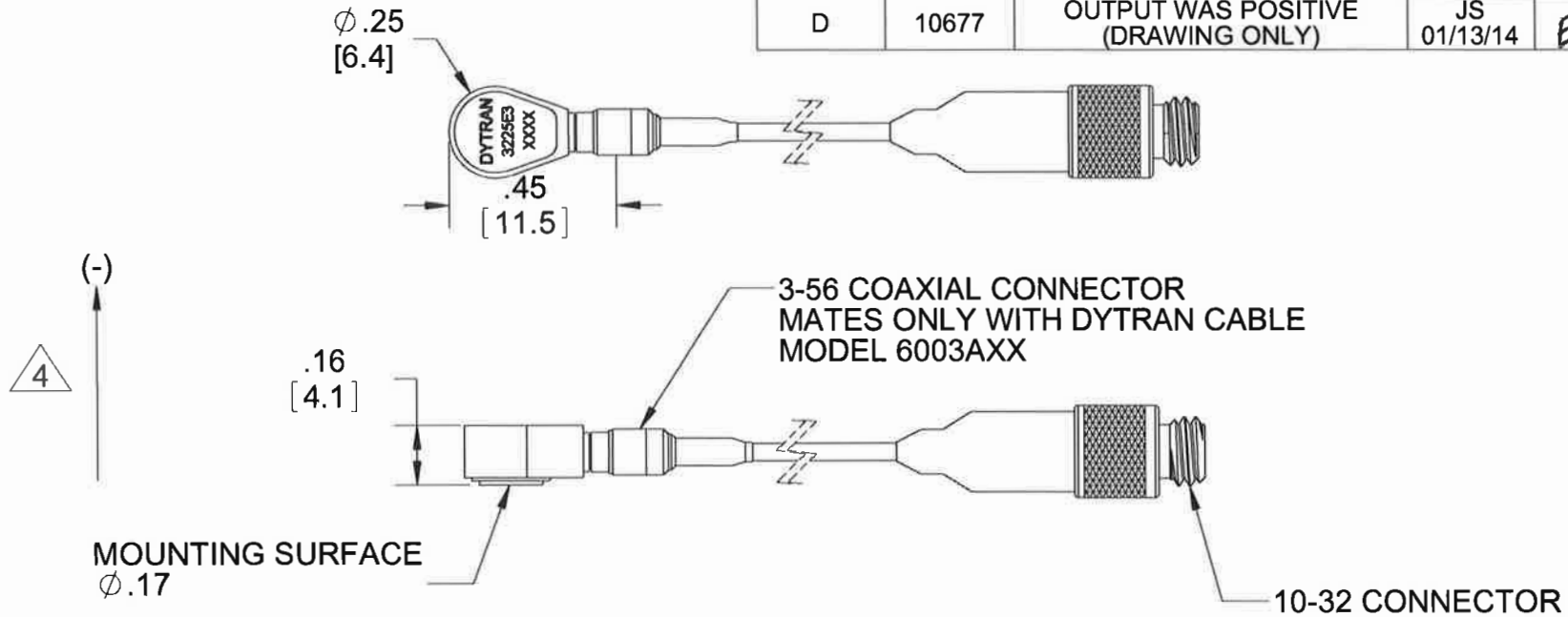


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REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	JS	AS
D	10677	OUTPUT WAS POSITIVE (DRAWING ONLY)	JS 01/13/14	EM	<i>DV</i>



- 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

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 ± .010 .XX ± 0.25

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.	
APPROVALS	
ORIG	DATE
CHK	DATE
APP	DATE
APP	<i>DV</i> 2/6/14

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER ONLY IF IN RED

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
CHARGE MODE ACCELEROMETER		REV E, ECN 10677, 01/13/2014



- MINIATURE SIZE
- REMOVABLE CABLE
- HERMETICALLY SEALED

PHYSICAL

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

ENGLISH		SI	
0.021	oz	0.6	grams
[1]		[1]	
3 - 56 UNF-2A		3 - 56 UNF-2A	
Titanium		Titanium	
Piezoceramic		Piezoceramic	

PERFORMANCE

Sensitivity, ±20% [3] [4]
Frequency Response, +/- 10%
Mounted Resonant Frequency, NOM
Amplitude Non-Linearity
Transverse Sensitivity, Max
Strain Sensitivity @250µσ

ENGLISH		SI	
1.8	pC/g	0.183	pC / m/s ²
[5] to 10000	Hz	[5] to 10000	Hz
40	kHz	40	kHz
2	%F.S MAX	2	%F.S MAX
5	%	5	%
0.04	g/µε	0.392	m/s ² / µε

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Environmental Seal

ENGLISH		SI	
400	g rms	3920	m/s ² rms
5000	g	49000	m/s ²
-60 to +350	°F	-51 to +176	°C
Hermetic		Hermetic	

ELECTRICAL

Output Signal Polarity
Case Grounding

ENGLISH		SI	
Negative		Negative	
Case is grounded		Case is grounded	

This family also includes:

Model					

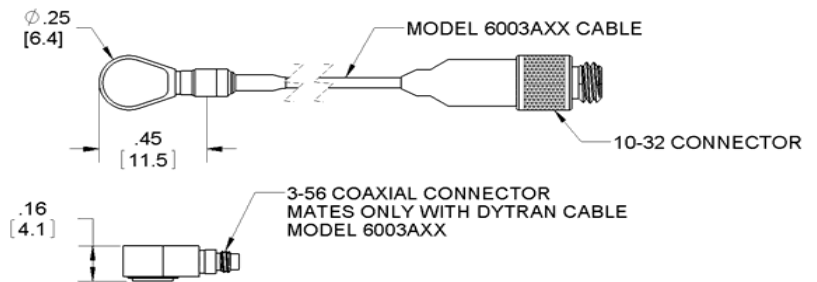
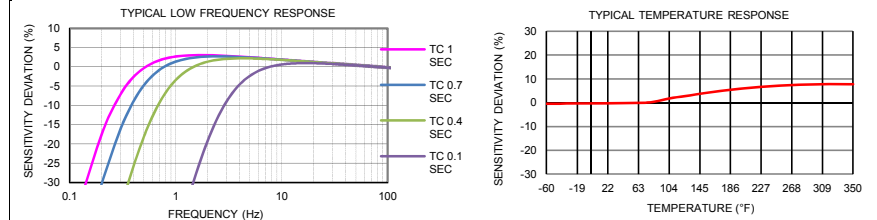
Please, refer to the performance specifications of the products in this family for detailed description.

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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