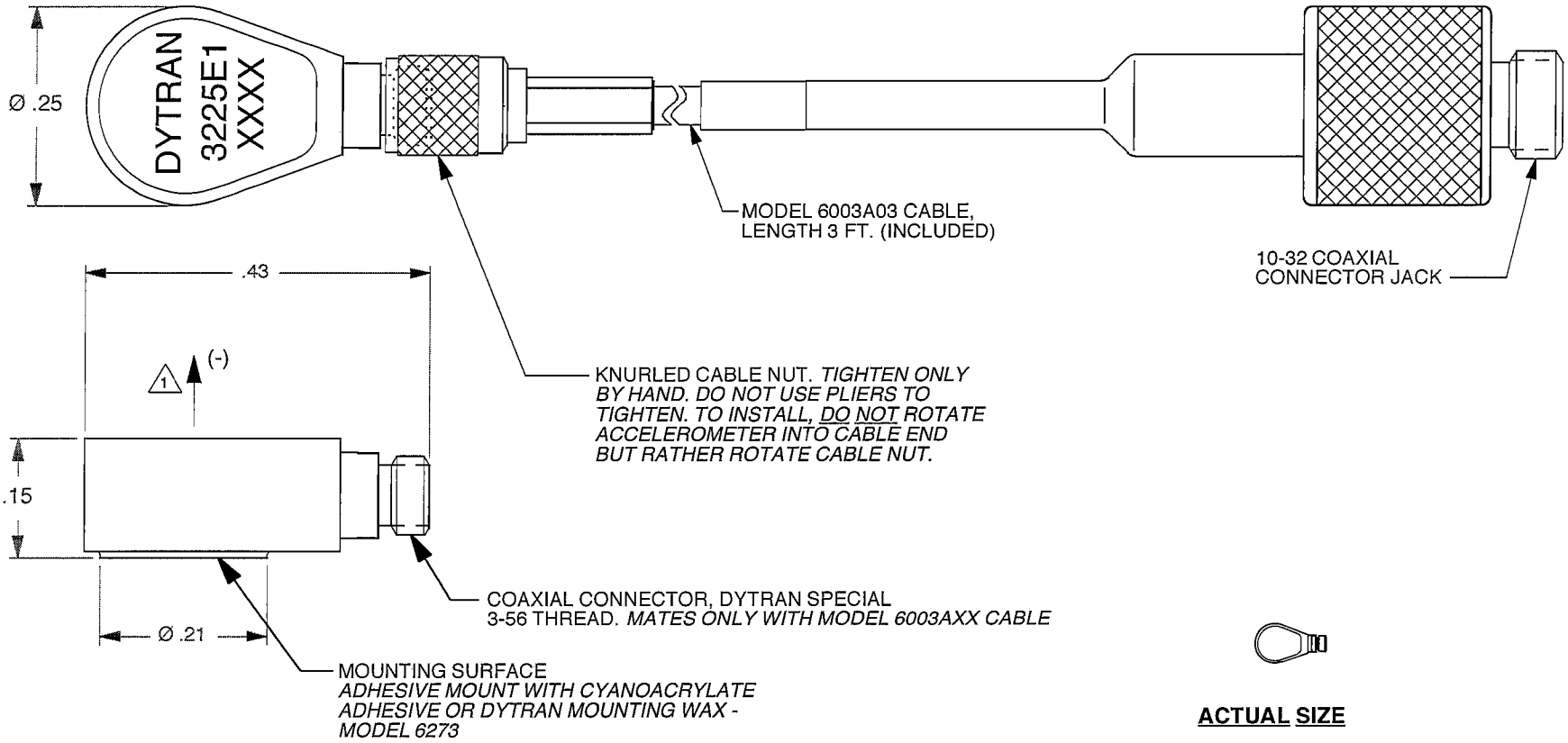


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	6001	SEE ECN	RA07/08/09	DV	ANS
D	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	RA	AS



3. CASE AND CONNECTOR MATERIAL: TITANIUM.
2. WEIGHT LESS CABLE: 0.6 GRAMS.
1. ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR NEGATIVE GOING OUTPUT SIGNAL.

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES TOLERANCE: .XXX = ±	.XX = ±
SURFACE FINISH EXCEPT AS NOTED	✓
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
△ THESE DIAS ⊙ TO	T.I.R.
FILLETS -	MAX RAD.

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	5X	REV	-	DATE	SEE REV BLK ^{ECN}
DATE	9/24/01	PART NO.			
DRAWN	N.C.	CHECKED	R.A.	MAT'L	
APPROVED	PML	8/08/06	NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3225E1				127-3225E1	
				SHEET 1 OF 1	

MODEL NUMBER 3225E1	PERFORMANCE SPECIFICATION	DOC NO. PS3225E1
	CHARGE MODE ACCELEROMETER	REV A, ECN 12561, 03/24/16



- **MINIATURE SIZE**
- **REMOVABLE CABLE**
- **HERMETICALLY SEALED**

PHYSICAL

Weight, Max. (Less Cable)
Size (Dia. x Length Hex x Height)
Mounting Provision
Connector [2]
Case Material
Sensing Element Type

ENGLISH		SI	
0.02	oz	0.6	grams
0.25 x 0.43 x 0.15	in	6.4 x 10.9 x 3.8	mm
[1]		[1]	
3 - 56 UNF-2A		3 - 56 UNF-2A	
Titanium		Titanium	
Piezoceramic		Piezoceramic	

PERFORMANCE

Sensitivity, ±25% [3] [4]
Frequency Response, +/- 10%
Mounted Resonant Frequency
Amplitude Non-Linearity
Transverse Sensitivity, Max.
Strain Sensitivity @250/μs

1.8	pC/g	0.18	pC / m/s ²
[5] to 10000	Hz	[5] to 10000	Hz
> 60	kHz	> 60	kHz
2	% F.S. MAX	2	% F.S. MAX
5	%	5	%
0.0005	g/μs	0.005	m/s ² / μs

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Environmental Seal

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 Toward Top
Case Grounding

Negative	Negative
Case is grounded	Case is grounded

This family also includes:

Model	Sensitivity (mV/g)	Range (g's)	Resolution (grms)	Oper. Temp (°F)	TC

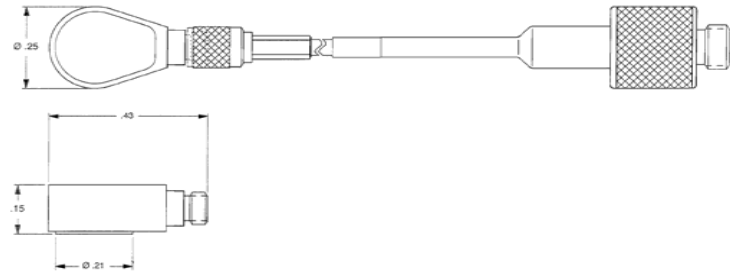
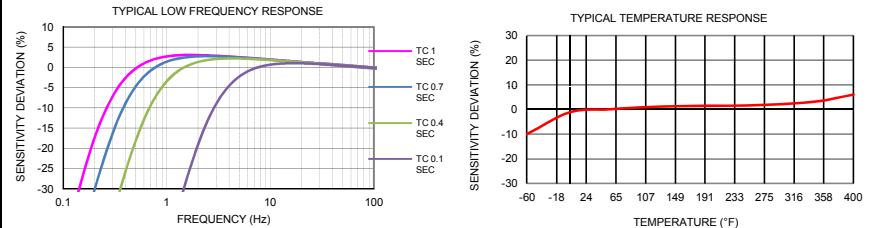
Please, refer to the performance specifications of the products in this family for detailed description.

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 dependent 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 127-3225E1 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