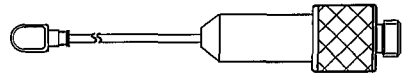
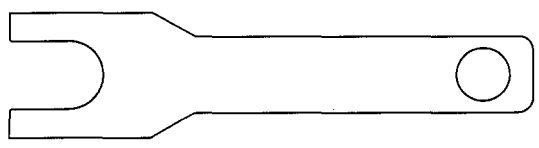
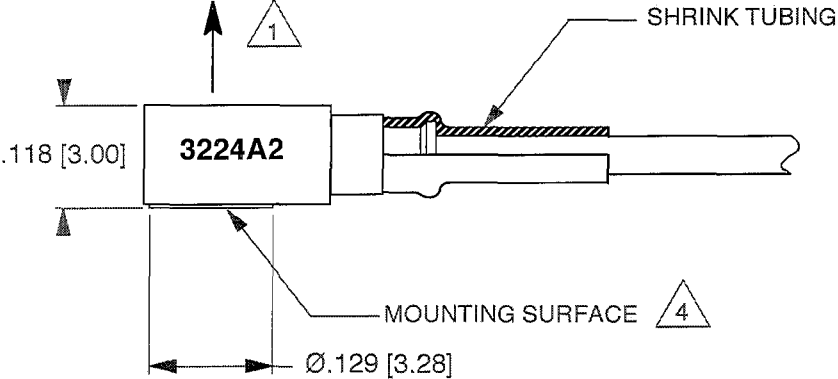
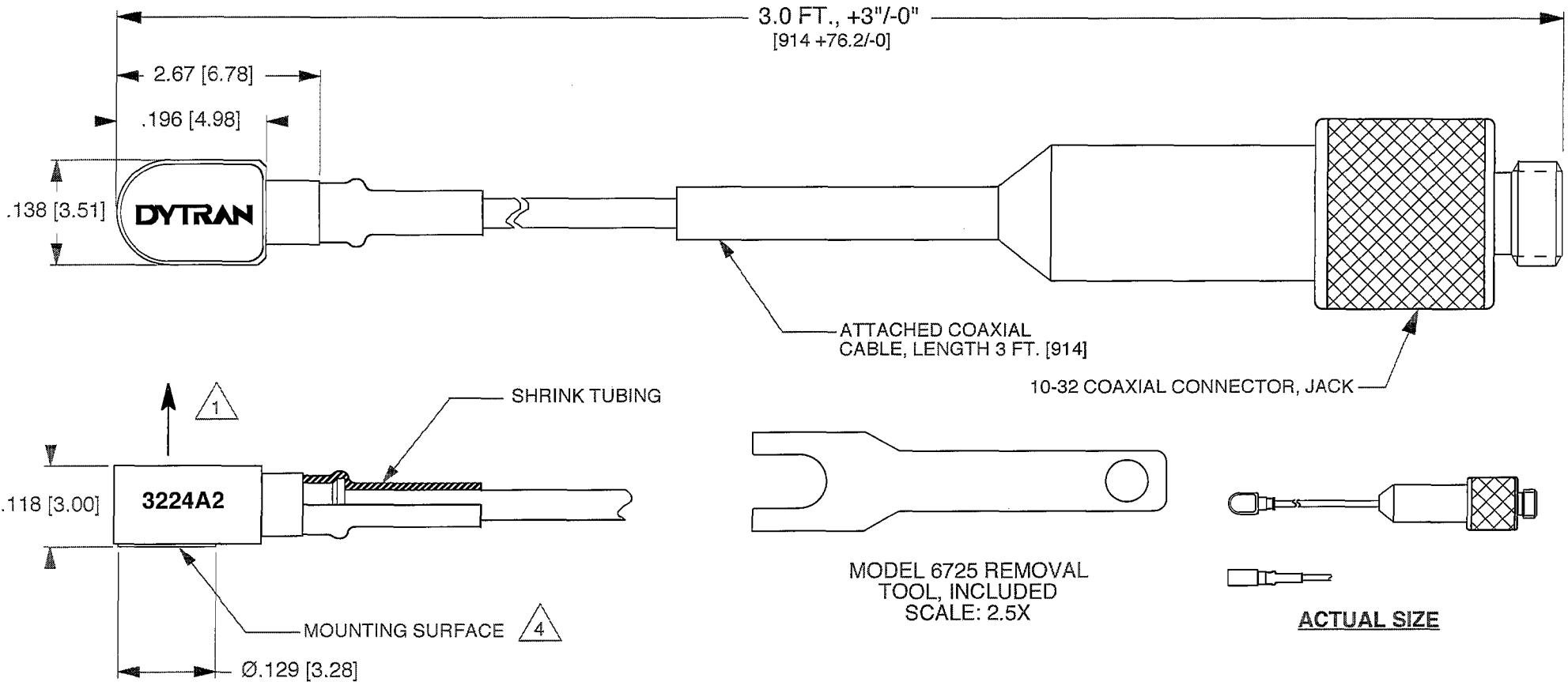


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	8930	.27[6.8] WAS: .247[6.3]	LN 07/30/12	JS	NC
D	9935	UPDATED VIEW OF CONNECTOR	AB 05/09/13	JS	RT
E	10349	CORRECTED DIMENSIONS OF BODY	NC/09-09-13	MH	RT



- △ 4 APPLY ADHESIVE TO THIS SURFACE TO MOUNT.
- 3. CASE AND CONNECTOR MATERIAL: TITANIUM.
- 2. WEIGHT LESS CABLE: 0.2 GRAMS.
- △ 1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.

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 ±.005	.XX ±0.25	

MASTER

ONLY IF IN RED

CHATSWORTH, CA.

SCALE 5X	DESIGN N.C.	DATE 1/2/08			
DRAWN N.C.	DATE 1/2/08	PART NO. MODEL 3224A2			
CHECKED CES	DATE 5/5/08	MAT'L			REV E
APPROVED NC	DATE 5/5/08	NEXT ASSEMBLY	USED ON		
TITLE OUTLINE/INSTALLATION DRAWING, MODEL 3224A2			DWG NO. 127-3224A2		
			SHEET 1 OF 1		

MODEL NUMBER 3224A2	PERFORMANCE SPECIFICATION	DOC NO. PS3224A2
	IEPE ACCELEROMETER	REV K, ECN 11378, 10/14/14



- MINIATURE SIZE
- EPOXY SEALED CABLE CONNECTION

PHYSICAL

Weight, Less Cable
Mounting Provision
Connector [2]
Case Material
Sensing Element

ENGLISH		SI	
0.007	oz	0.2	grams
[1]		[1]	
Integral cable		Integral cable	
Titanium		Titanium	
Planar Shear Piezoceramic		Planar Shear Piezoceramic	

PERFORMANCE

Sensitivity [3] [4]
Range F.S. For ± 5 Volts Output
Frequency Response, ±10%
Resonant Frequency, NOM
Equivalent Electrical Noise Floor
Amplitude Non-Linearity [5]
Transverse Sensitivity, Max.
Strain Sensitivity @250µε

2 to 5	mV/g	0.2 to 0.5	mV/ m/s ²
± 2500	g	± 24525	m/s ²
1.2 to 20000	Hz	1.2 to 20000	Hz
>95	kHz	>95	kHz
0.03	g rms	0.29	m/s ² rms
± 1 %	%F.S	± 1%	%F.S
5%		5%	
0.14	g/µε	1.37	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal
Magnetic Sensitivity at 100 Gauss

4000	grms	39200	m/s ² rms
5000	±gpk	49000	± m/s ² pk
-60 to +300	°F	-51 to 149	°C
Laser Welded, Epoxy sealed Cable		Laser Welded, Epoxy sealed Cable	
0.000009	g/Gauss	0.8829	m/s ² /T

ELECTRICAL

Supply Current [6]
Compliance Voltage Range
Output Impedance TYP
Bias Voltage
Discharge Time Constant
Output Signal Polarity for Acceleration Toward Top
Case Grounding

2 to 20	mA	2 to 20	mA
18 to +30	V	18 to +30	V
100	Ω	70	Ω
+7 to +9	VDC	+7 to +9	VDC
0.3 to 1.0	sec	0.3 to 1.0	sec
Positive		Positive	
[7]		[7]	

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC (sec)
3224A1	9 to 14	500	0.017	-60 to 300	1.1 to 1.5
3224A3	5 to 10	1000	0.025	-60 to 300	1.1 to 1.5
3224A4	1 to 2.5	5000	0.06	-60 to 300	0.3 to 1.0

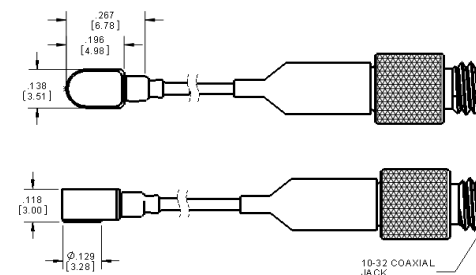
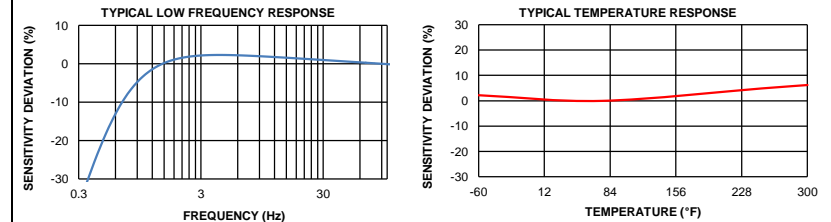
Please, refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Model 6725 installation removal wrench.
- 2) Sample of " Small Petro Mounting Wax".
- 3) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Flat mounting surface for adhesive mount.
- [2] 10-32 Jack at end of integral 3FT.cable
- [3] Measured at 100 Hz, 1 g rms per ISA RP 37.2.
- [4] Actual sensitivity is given on a calibration certificate traceable to ISO 17025, supplied with each instrument
- [5] Measured using zero-based best straight-line method.
- [6] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.
- [7] Case is grounded to electrical signal/power ground.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3224A2 for more information.



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