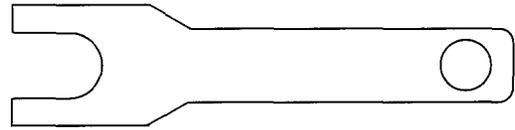
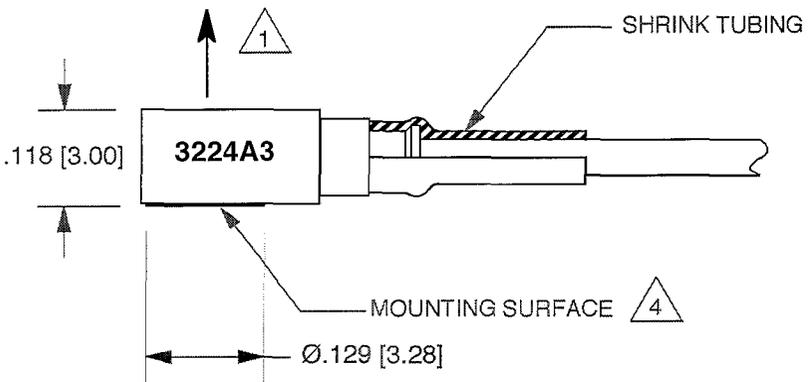
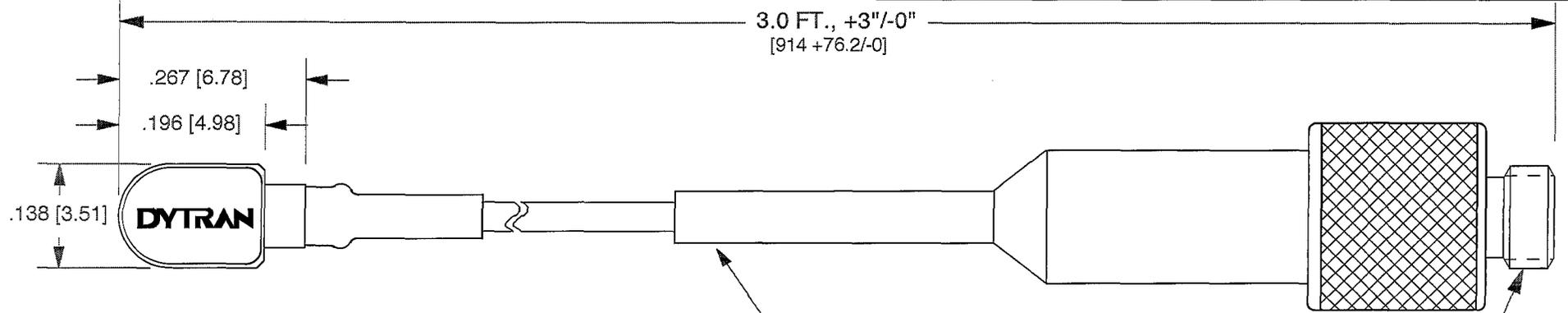
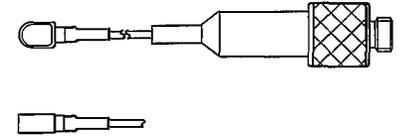


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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	8930	.27 [6.80 WAS: .247 [6.3]	LN/07-30-12	JS	NC
D	9935	UPDATED VIEW OF CONNECTOR	AB 05/09/13	JS	RT
E	10349	CORRECTED DIMENSIONS OF BODY	NC/09/09/13	MH	RT



MODEL 6725 REMOVAL
 TOOL, INCLUDED
 SCALE: 2.5X



ACTUAL SIZE

- 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	

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ONLY IF IN RED

CHATSORTH, CA.

SCALE 5X	DESIGN N.C.	DATE 1/15/08		
DRAWN N.C.	DATE 1/15/08	PART NO. MODEL 3224A3		
CHECKED DV	DATE 3/25/09	MAT'L		REV E
APPROVED ANS	DATE 1/15/09	NEXT ASSEMBLY	USED ON	
TITLE OUTLINE/INSTALLATION DRAWING, MODEL 3224A3 ACCELEROMETER, 5 mV/g			DWG NO. 127-3224A3	
SHEET 1 OF 1				

MODEL NUMBER 3224A3	PERFORMANCE SPECIFICATION	DOC NO. PS3224A3
	IEPE ACCELEROMETER	REV N, ECN 13890, 12/04/17



- MINIATURE SIZE
- EPOXY SEALED CABLE CONNECTION

PHYSICAL

	ENGLISH		SI	
Weight, Less Cable	0.007	oz	0.2	grams
Mounting Provision	[1]		[1]	
Connector [2]	Integral cable		Integral cable	
Case Material	Titanium		Titanium	
Sensing Element	Planar Shear Piezoceramic		Planar Shear Piezoceramic	

PERFORMANCE

Sensitivity [3] [4]	5 to 10	mV/g	0.5 to 1.0	mV/ m/s ²
Range F.S. For ± 5 Volts Output	± 1000	g	± 9810	m/s ²
Frequency Response, ±10%	0.3 to 20000	Hz	0.3 to 20000	Hz
Resonant Frequency, NOM	>95	kHz	>95	kHz
Equivalent Electrical Noise Floor	0.037	g rms	0.36	m/s ² rms
Amplitude Non-Linearity [5]	± 1 %	%F.S	± 1 %	%F.S
Transverse Sensitivity, Max.	5%		5%	
Strain Sensitivity @250µε	0.14	g/µε	1.37	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration	650	grms	6370	m/s ² rms
Maximum Shock	2000	±gpk	19600	± m/s ² pk
Temperature Range	-60 to +300	°F	-51 to 149	°C
Seal	Laser Welded, Epoxy sealed Cable		Laser Welded, Epoxy sealed Cable	
Magnetic Sensitivity at 100 Gauss	0.000009	g/Gauss	0.8829	m/s ² /T

ELECTRICAL

Supply Current [6]	2 to 20	mA	2 to 20	mA
Compliance Voltage Range	18 to +30	V	18 to +30	V
Output Impedance TYP	100	Ω	70	Ω
Bias Voltage	+8 to +10	VDC	+8 to +10	VDC
Discharge Time Constant	1.1 to 1.5	sec	1.1 to 1.5	sec
Output Signal Polarity for Acceleration Toward Top	Positive		Positive	
Case Grounding	[7]		[7]	

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC (sec)
3224A1	9 to 14	500	0.023	-60 to 300	0.9 to 1.5
3224A2	2 to 5	2500	0.03	-60 to 300	0.3 to 1.0
3224A4	1 to 2.5	5000	0.08	-60 to 300	0.3 to 1.0

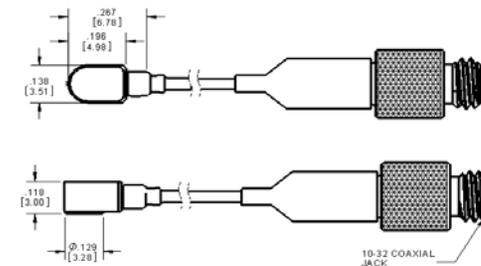
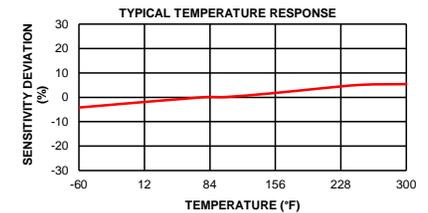
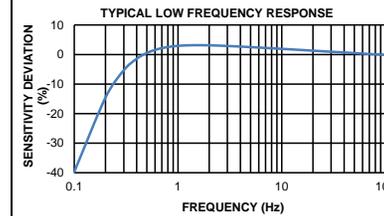
Please, refer to the performance specifications of the products in this family for detailed description.

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 127-3224A3 for more information.



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