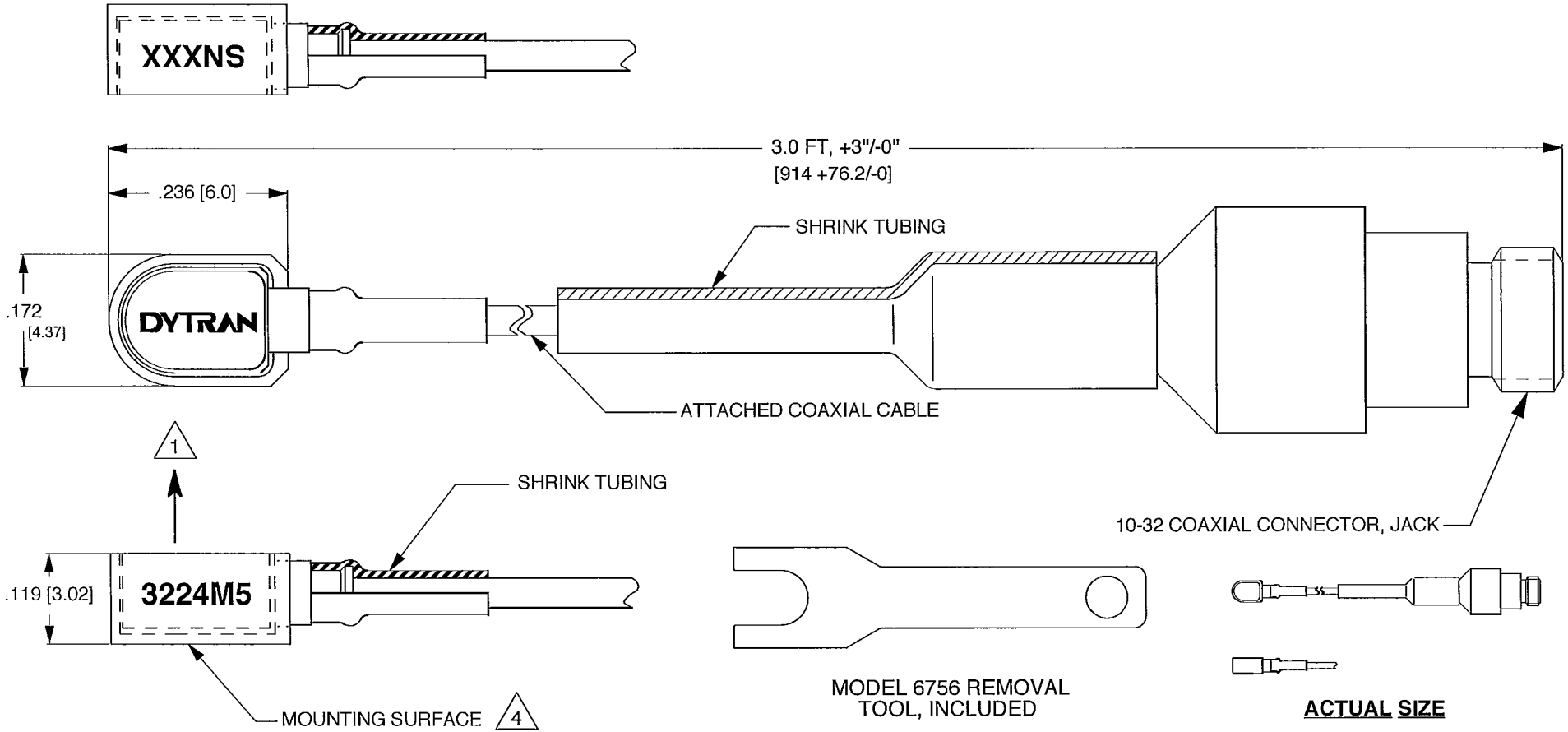


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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	8204	INITIAL RELEASE	JS 01/05/12	LN	JN



- 4 APPLY ADHESIVE TO THIS SURFACE TO MOUNT.
- 3. CASE AND CONNECTOR MATERIAL: TITANIUM. GROUND ISOLATION ADAPTOR: ALUMINUM ALLOY, ANODIZED.
- 2. WEIGHT LESS CABLE: 0.3 GRAMS MAX
- 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	MILLIMETERS	ANGLES
.XX ±.03	.X ±0.8	±1°
.XXX ±.005	.XX ±0.25	

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SCALE 5X	DESIGN N.C.	DATE 5/11/11		
DRAWN N.C.	DATE 5/11/11	PART NO. MODEL 3224M5		
CHECKED LN	DATE 1/05/12	MAT'L		REV A
APPROVED JN	DATE 1/17/12	NEXT ASSEMBLY	USED ON	

**TITLE: OUTLINE/INSTALLATION DRAWING,
MODEL 3224M5 GROUND-ISOLATED
ACCELEROMETER, 10 mV/g**

DWG NO.
127-3224M5
SHEET 1 OF 1

MODEL NUMBER 3224M5	PERFORMANCE SPECIFICATION	DOC NO. PS3224M5
--------------------------------------	----------------------------------	-----------------------------------

IEPE ACCELEROMETER

REV A, ECN 8204 , 01/05/12



- **MINIATURE SIZE**
- **HIGH SENSITIVITY**
- **EPOXY SEALED CABLE CONNECTION**
- **GROUND ISOLATED**

PHYSICAL

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

ENGLISH		SI
0.0105	oz	0.3
[1]		[1]
Integral cable		Integral cable
Titanium		Titanium
Anodized Aluminum		Anodized Aluminum
Planar Shear Piezoceramic		Planar Shear Piezoceramic

PERFORMANCE

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

9 to 14	mV/g	.9to 1.4	mV/ m/s ²
± 500	g	± 4905	m/s ²
0.32 to 20000	Hz	0.32 to 20000	Hz
0.25 to 30000	Hz	0.25 to 30000	Hz
0.15 to 60000	Hz	0.15 to 60000	Hz
>95	kHz	>95	kHz
0.017	g rms	0.167	m/s ² rms
± 2%	%F.S	± 2%	%F.S
5%		5%	
0.14	g/µε	1.37	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal

900	grms	8820	m/s ² rms
3000	±gpk	29400	± m/s ² pk
-60 to +300	°F	-51 to +149	°C
Laser welded, Epoxy Sealed Cable		Laser welded, Epoxy Sealed Cable	

ELECTRICAL

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

2 to 20	mA	2 to 20	mA
18 to +30	V	18 to +30	V
100	Ω	100	Ω
+8 to +10	VDC	+8 to +10	VDC
1.1 to 1.5	sec	1.1 to 1.5	sec
Positive		Positive	
10	GΩ	10	GΩ

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC (sec)

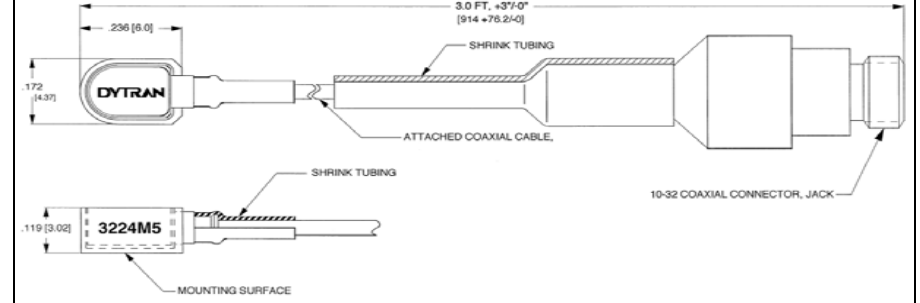
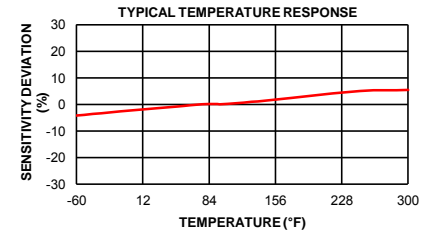
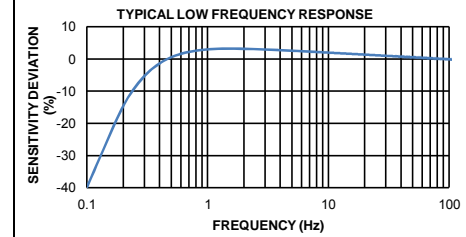
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Model 6756 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.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3224M5 for more information.



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