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DWG NO 127-3225F5T SH 1 REV A

PROPRIETARY AND CONFIDENTIAL

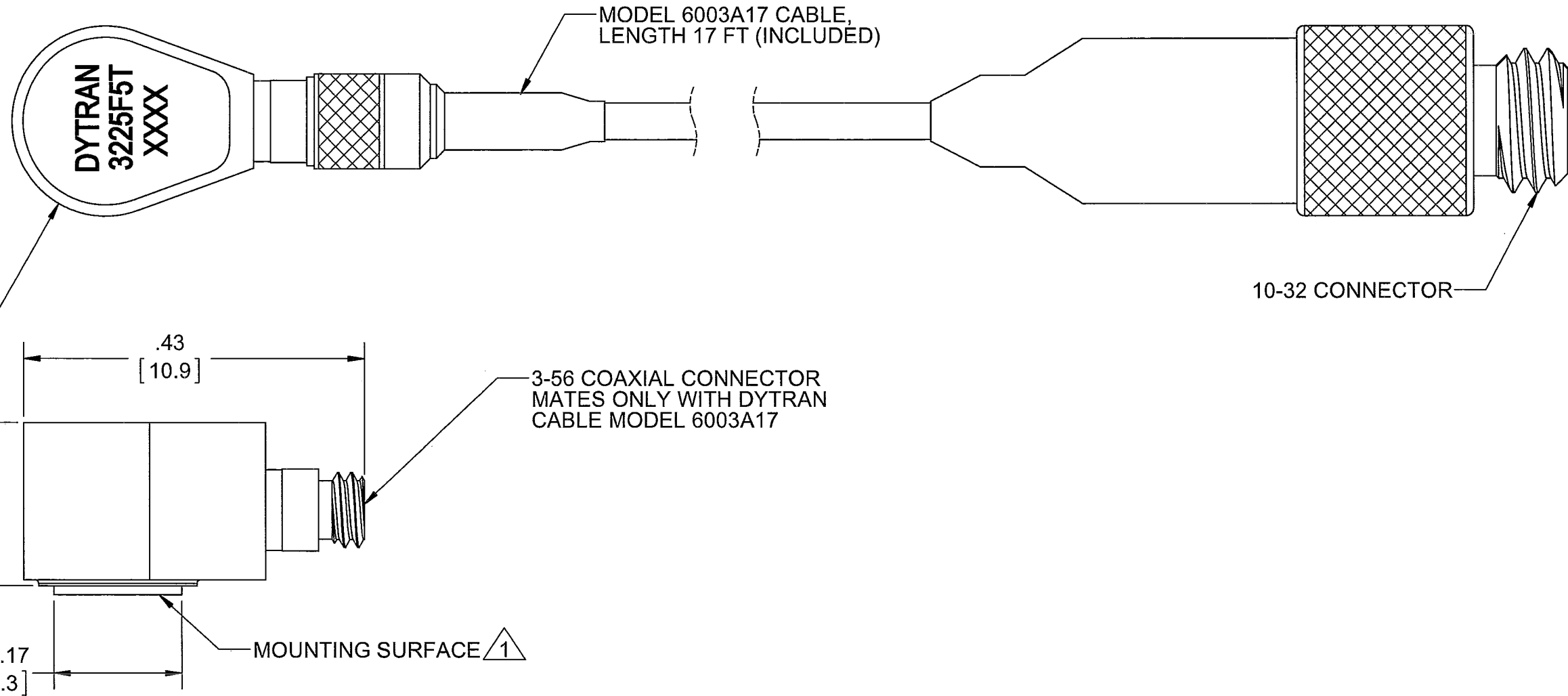
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Presented by: Absolute Gauge Technologies
sales@absolute-gauge.com; www.absolute-gauge.com,
Toronto: 416 754 3168, Montreal: 514 695 5147, Toll Free: 1 888 754 7008

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	9949	INITIAL RELEASE	AB 05/16/13	JK	DJ



4 ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.

3. CASE AND CONNECTOR MATERIAL: TITANIUM.

2. WEIGHT LESS CABLE: 0.85 GRAMS MAX.

1 RECOMMENDED MOUNTING ADHESIVE: CYANOACRYLATE OR DYTRAN MOUNTING WAX MODEL 6373.

NOTES: UNLESS OTHERWISE SPECIFIED

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.
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:

DECIMALS	METRIC	ANGLES
.XX ±.03	.X ± 0.8	±1°
.XXX ±.010	.XX ±0.25	

APPROVALS		DATE
ORIG	AB	05/13/13
CHK	JK	05/16/13
APP	DJ	5/16/13

DO NOT SCALE DRAWING



TITLE: OUTLINE INSTALLATION DRAWING 3225F5T			
SIZE B	CAGE CODE 2W033	DWG NO 127-3225F5T	REV A
SCALE: NONE		SHEET 1 OF 1	

MODEL NUMBER 3225F5T	PERFORMANCE SPECIFICATION	DOC NO. PS3225F5T
	ACCELEROMETER , IEPE	REV A , ECN 9949, 05/14/13



- **MINIATURE SIZE**
- **REMOVABLE CABLE WITH 10-32 CONNECTOR**

This family also includes:

Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(*F)	TC
3225F1T	10	500	0.007	-60 TO 250	0.3 TO 0.6
3225F4T	1	500	0.007	-60 TO 250	0.3 TO 0.6

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) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Flat mounting surface for adhesive mount.
- [2] Mates with Dytran cable 6003A17
- [3] Measured at 100 Hz, 1 grms per ISA RP37.2.
- [4] Percent of full scale or any lesser range, zero based best-fit straight line method.
- [5] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier
- [6] In the interest of constant product improvement, we reserve the right to change specifications without notice.

PHYSICAL

Weight, Max (Less Cable)
 Mounting Provision
 Connector [2] Radially Mounted
 Case Material

ENGLISH		SI	
0.03	oz	0.85	grams
[1]		[1]	
3-56		3-56	
Titanium		Titanium	

PERFORMANCE

Sensitivity, ± 10% [3]
 Range F.S For ± 5 Volts Out
 Frequency Response, +/- 10% Mounted Resonant Frequency
 Amplitude Non-Linearity [4]
 Transverse Sensitivity, Max
 Noise Resolution
 Strain Sensitivity @250µε

10	mV/g	1.02	mV/m/s ²
± 5000	g's	± 49,050	m/s ²
1.0 to 10000	Hz	1.0 to 10000	Hz
> 40	kHz	> 40	kHz
2	%F.S	2	%F.S
5	%	5	%
0.007	grms	0.07	m/s ² rms
0.0005	g/µε	0.0049	m/s ² /µε

ENVIRONMENTAL

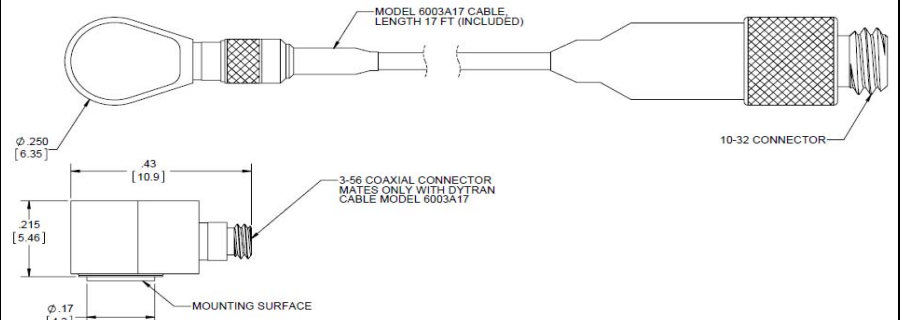
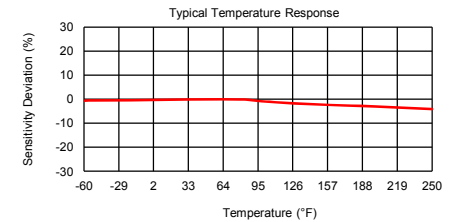
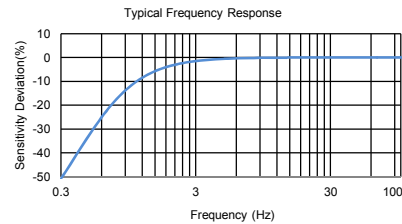
Maximum Vibration
 Maximum Shock
 Temperature Range
 TEDS Operating Temp
 Environmental Seal

7000	Grms	68600	m/s ² rms
6000	Gpeak	58800	m/s ² peak
-60 to +250	°F	-51 to +121	°C
-60 to +180	°F	-51 to +82	°C
HERMETIC		HERMETIC	

ELECTRICAL

Supply Current/Compliance Voltage Range [5]
 Output Impedance, TYP
 Bias Voltage
 Discharge Time Constant
 TEDS Feature

2 to 20/+18 to +30	mA/Volts	2 to 20/+18 to +30	mA/Volts
100	Ω	100	Ω
+7 to +9	VDC	+7 to +9	VDC
0.2 to 1.5	Sec	0.2 to 1.5	Sec
IEEE 1451.4		IEEE 1451.4	



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