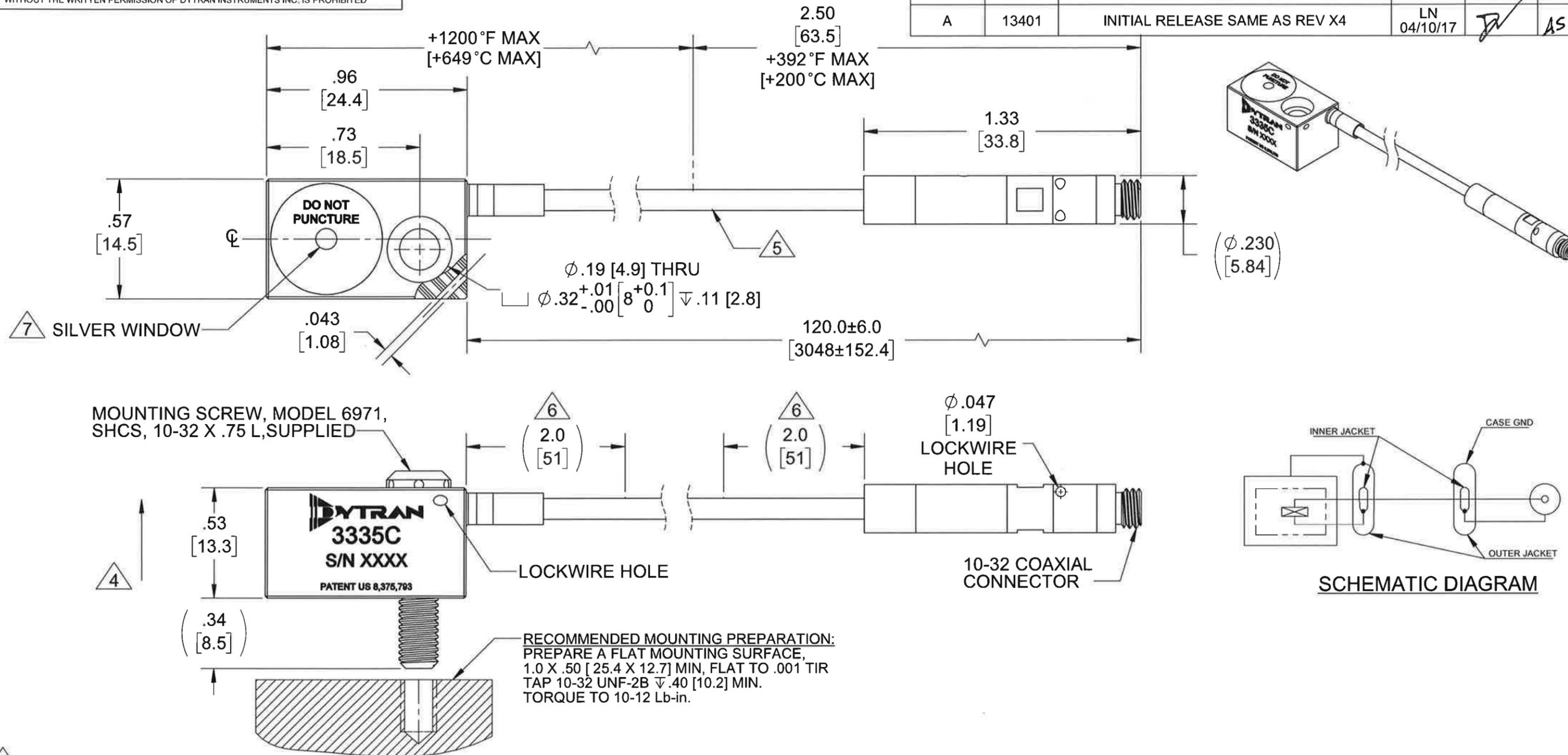


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	13401	INITIAL RELEASE SAME AS REV X4	LN 04/10/17	<i>[Signature]</i>	AS



- 7 US PATENT NUMBER US 8,375,793 B2
- 6 DO NOT BEND CABLE WITHIN INDICATED SECTION ON BOTH ENDS OF CABLE. DO NOT BEND CABLE WHILE SENSOR IS INSTALLED.
- 5 HARDLINE CABLE: - JACKET: STAINLESS STEEL
- INSULATION: SILICONE DIOXIDE
- CONDUCTOR: STAINLESS STEEL
- MINIMUM BEND RADIUS: 1.5 IN
- 4 ARROW INDICATES DIRECTION OF ACCELERATION FOR NEGATIVE CHARGE OUTPUT

- 3. HOUSING MATERIAL: ALLOY 600
 - 2. WEIGHT, LESS CABLE: 35 GRAMS, MAX.
 - 1. CHARGE SENSITIVITY: 1 - 2 pC/g
- 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. ^{63/} 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 .XX ±.03 .XXX ±.010	METRIC .X ±0.8 .XX ±0.25			ANGLES ±1°
	APPROVALS ORIG LN 07/19/13 CHK <i>[Signature]</i> 9/14/17 APP AS 4/14/17		DATE DATE DATE		TITLE: OUTLINE/ INSTALLATION DWG, MODEL 3335C
	DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION 	SIZE B CAGE CODE 2W033 SCALE: 2:1	DWG NO 127-3335C PART NO: 3335C SHEET 1 OF 1



- HERMETICALLY SEALED
- HIGH TEMPERATURE (1200°F [649°C]) OPERATION
- CASE GROUND ISOLATED

PHYSICAL

Weight, Max. (Less Cable)
Connector
Mounting Provision
Material
Element Style

	ENGLISH		SI	
Type	10-32		10-32	
Housing	Alloy 600		Alloy 600	
Connector	Stainless Steel		Stainless Steel	
Material	Single Crystal		Single Crystal	
Type	Planar Shear		Planar Shear	

PERFORMANCE

Sensitivity [1]
Frequency Response
Resonant Frequency
Capacitance
Linearity [2]
Maximum Transverse sensitivity
Strain Sensitivity
Insulation resistance
Output Polarity

	ENGLISH		SI	
Sensitivity [1]	1 - 2	pC/g	0.1 - 0.2	pC/m/s ²
Frequency Response	[3] to 2500	Hz	[3] to 2500	Hz
	±5%		[3] to 3500	Hz
	±10%		[3] to 5000	Hz
	±30%		[3] to 5000	Hz
Resonant Frequency	> 20	kHz	> 20	kHz
Capacitance	340	pF	340	pF
Linearity [2]	± 1%	% F.S.	± 1%	% F.S.
Maximum Transverse sensitivity	5	%	5	%
Strain Sensitivity	0.002	g/με	0.02	m/s ² /με
Insulation resistance	at 75°F >1.0E8	Ω	at 24°C >1.0E8	Ω
	at 1200°F >5.0E4	Ω	at 649°C >5.0E4	Ω
Output Polarity	Negative		Negative	

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal
Ground Isolation

Maximum Vibration	±6000	G, peak	±58,860	m/s ² , peak
Maximum Shock	±10,000	G, peak	±98,100	m/s ² , peak
Temperature Range	-60 to +1200	°F	-51 to +649	°C
Seal	Hermetic		Hermetic	
Ground Isolation	>1.0E8	Ω	>1.0E8	Ω

This family also includes:

Model	Sensitivity (pC/g)	Range F.S (G's)	Output Polarity	Temperature (°F)

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

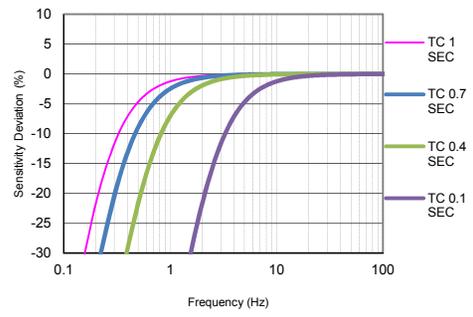
Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Mounting screw, model 6971 (SHCS, 10-32 X .75), qty 1

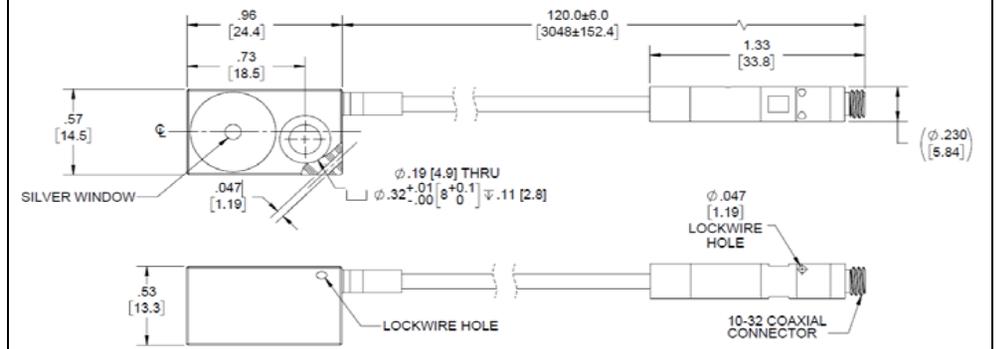
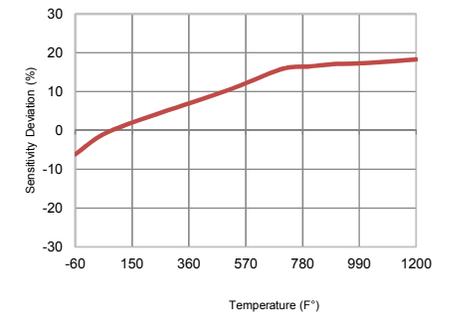
Notes:

- [1] Measured at 100Hz, 1 Grms per ISA RP 37.2
- [2] Measured using zero-based straight line method, % of F.S. or any lesser range.
- [3] Low frequency response and phase response is function of charge amplifier. See graph below for example.
- [4] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- [5] U.S. Patent number US 8,375,793 B2 applies to this unit.

TYPICAL LOW FREQUENCY RESPONSE



TYPICAL TEMPERATURE RESPONSE



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3335C for more information.

