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DWG NO 127-4400A SH 1 REV C

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MODEL	RANGE
4400A	±16g
4400A1	±200g

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11375	INITIAL RELEASE	LN 10/13/14	DV	AS
B	11819	ADDED 9007 SOFTWARE, SUPPLIED	JS 03/20/15	LA	DV
C	12939	ADDED NOTE 4	LN 09/06/16		AS

HARDWARE CHECK / READY INDICATOR LED

RECORDING INDICATOR LED

3 2X Ø.20 THRU
[5.1]

SD CARD SLOT

MOLDED COVER

BOTTOM COVER, REMOVABLE FOR BATTERY REPLACEMENT.

RARE EARTH MAGNETS, PERMANENTLY INSTALLED 4

4 MAGNETS PULL RATING: UP TO 8.4 lb.
NOTE: MAXIMUM PULL RATINGS ARE BASED ON DIRECT CONTACT WITH RUST-FREE AND UNPAINTED IRON PLATE. VARIATIONS IN MATERIAL CONDITION WILL SIGNIFICANTLY REDUCE THESE RATINGS.

3 MOUNTING SCREW, MODEL 6246, 10-32 UNF-3A X 1.25, QTY. 2, SUPPLIED.
MOUNTING SCREW, MODEL 6694A1, M5 X 0.8 X 35mm, QTY. 2, SUPPLIED.

2. HOUSING MATERIAL: ALUMINUM ALLOY, ANODIZED, COLOR: BLUE.

1. WEIGHT: 160 GRAMS, MAX.

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.

DECIMALS
.XX ±.03
.XXX ±.010

METRIC
.X ± 0.8
.XX ±0.25

ANGLES
±1°

APPROVALS		DATE
ORIG	LN	10/14/13
CHK	DV	10/20/14
APP	AS	10/30/14

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA

MASTER
ONLY IF IN RED
DYTRAN
INSTRUMENTS, INC.
Chatsworth, CA

TITLE: OUTLINE/INSTALLATION DWG,
VIBRATION RECORDER,
MODEL 4400A

SIZE B	CAGE CODE 2W033	DWG NO 127-4400A	REV C
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SCALE: 1:1


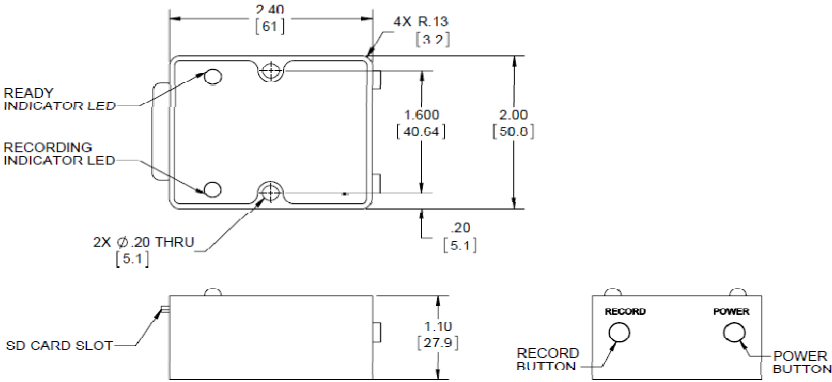

SHEET 1 OF 1

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MODEL NUMBER 4400A		PERFORMANCE SPECIFICATIONS			DOC NO. PS4400A	
		ACCELERATION RECORDER, TRIAXIAL			REV C, ECN 13988, 01/29/18	
		<ul style="list-style-type: none"> RECORDS THREE-AXIS VIBRATION UP TO 24 HOURS IP64 RATED SDHC CARD COMPATIBLE DUAL MOUNTING CONFIGURATIONS 			Model	Range (Gpeak)
					Noise (G rms)	Oper. Temp(°F)
					4400A1	±200
						0.06
						-40 to +185
						0 to 1000
					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 6246, 10-32 X 1.25, Qty. 2	
					3) Mounting Screw, Model 6694A1, M5x0.8 X 35mm, Qty. 2	
					Notes:	
					[1] Linearity is % of specified full scale (or any less full-scale range), zero-based best fit straight line method.	
					[2] 3200 samples/sec sampling rate is not recommended for Free Run mode. Maximum data loss of .05% is possible when sampled at 3200 samples/sec in Free Run mode. Lower sampling rates result in no data loss. Triggered acquisition at 3200 samples/sec result in no data loss. Sampling rate tolerance ± 10%.	
					IMPORTANT: It is important to remember when using model 4400A that there are no anti-aliasing filters implemented in this design. While even if configured otherwise the sampling rate stays constant at 3200 kSamples/sec, any input signals over 1600 Hz will cause aliased signal within the displayed 1600 Hz bandwidth of the sensor.	
						
					Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-4400A for more information.	
						
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