

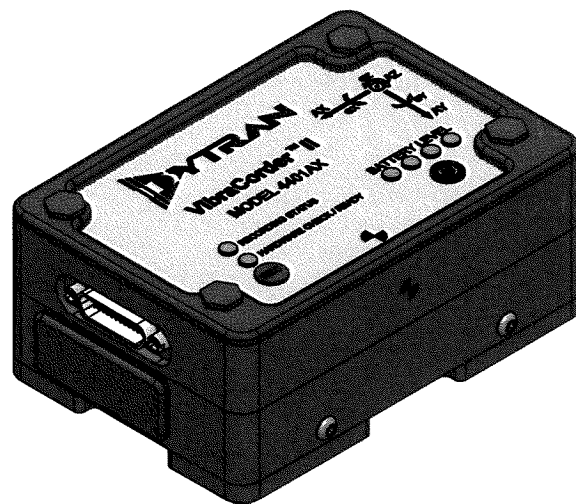
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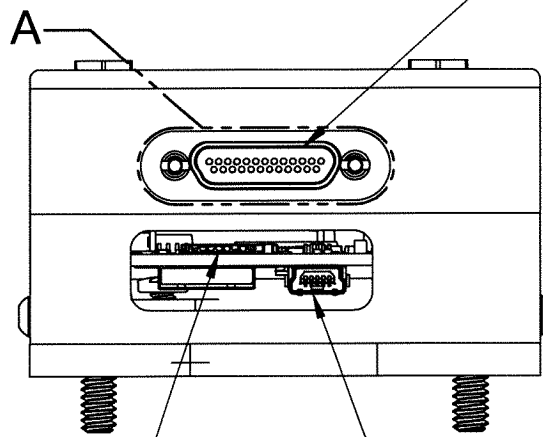
MODEL	RANGE
4401A1	±5g
4401A2	±16g

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
E	14459	ADDED ACCEL LOCATIONS	RA, 09/06/18	DP	LN



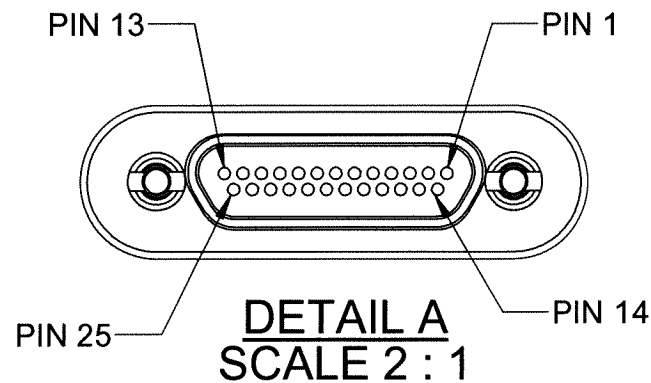
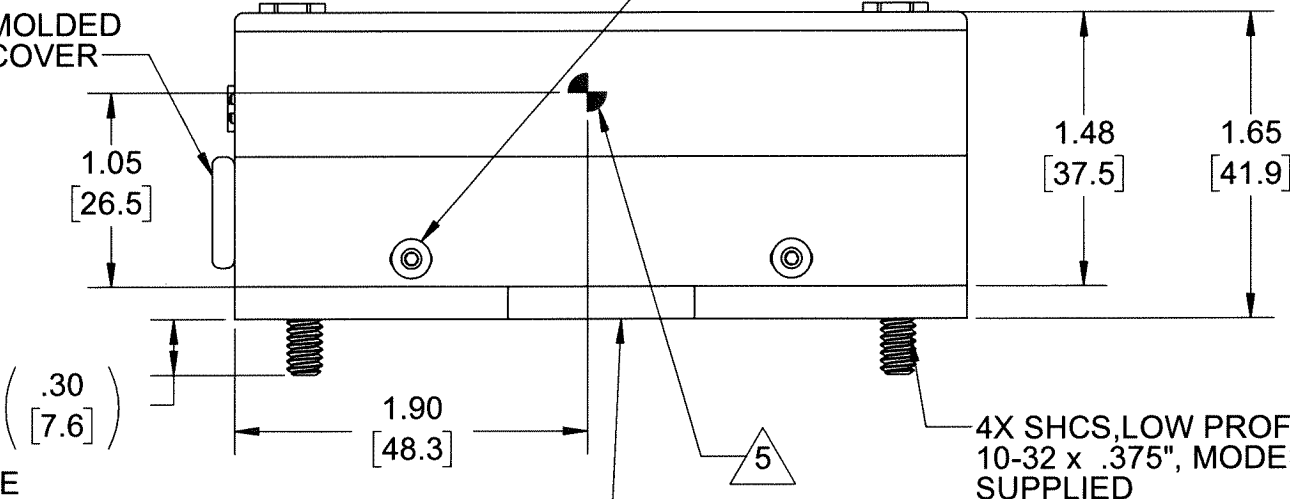
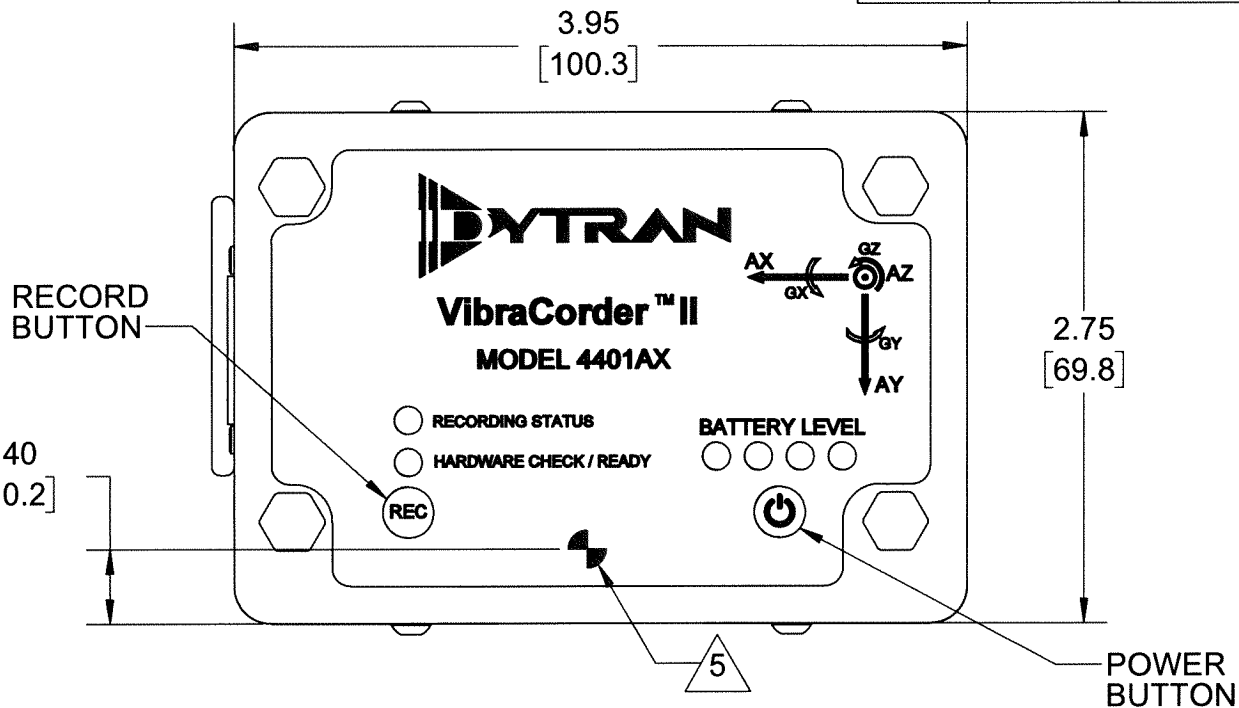
Micro-D RECEPTACLE,
25-SOCKET,
GLENAIR P/N:
GRPM2L-25SCBRR3TN-.110



MicroSD
CARD SLOT

MINI USB
TYPE B
RECEPTACLE

MOLDED FLAP COVER
NOT SHOWN



PIN OUT

PIN 1:	PWR_OUT (3.8VDC)
PIN 2:	RESERVED - DO NOT CONNECT
PIN 3:	RESERVED - DO NOT CONNECT
PIN 4:	PWR_IN (8-32 VDC)
PIN 5:	SYNC
PIN 6:	PWR_IN (8-32 VDC)
PIN 7:	AGND
PIN 8:	DGND
PIN 9:	AGND
PIN 10:	DGND
PIN 11:	AGND
PIN 12:	AGND
PIN 13:	RESERVED - DO NOT CONNECT
PIN 14:	RESERVED - DO NOT CONNECT
PIN 15:	RESERVED - DO NOT CONNECT
PIN 16:	RELAY_OUT
PIN 17:	RELAY_IN
PIN 18:	CABLE_DETECT ³
PIN 19:	AGND
PIN 20:	RESERVED - DO NOT CONNECT
PIN 21:	RESERVED - DO NOT CONNECT
PIN 22:	AGND
PIN 23:	RESERVED - DO NOT CONNECT
PIN 24:	RESERVED - DO NOT CONNECT
PIN 25:	RESERVED - DO NOT CONNECT

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 IN BRACKETS [] ARE IN
MILLIMETERS TOLERANCES ARE:

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

APPROVALS		DATE
ORIG	LN	06/05/16
CHK	DV	06/19/16
APP		

DO NOT SCALE DRAWING



MASTER
ONLY IF IN RED

TITLE: OUTLINE/INSTALLATION DWG,
VIBRATION RECORDER,
4401A SERIES

SIZE B	CAGE CODE 2W033	DWG NO 127-4401A1	REV E
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SCALE: 1:1 PART NO: 4401A SHEET 1 OF 2


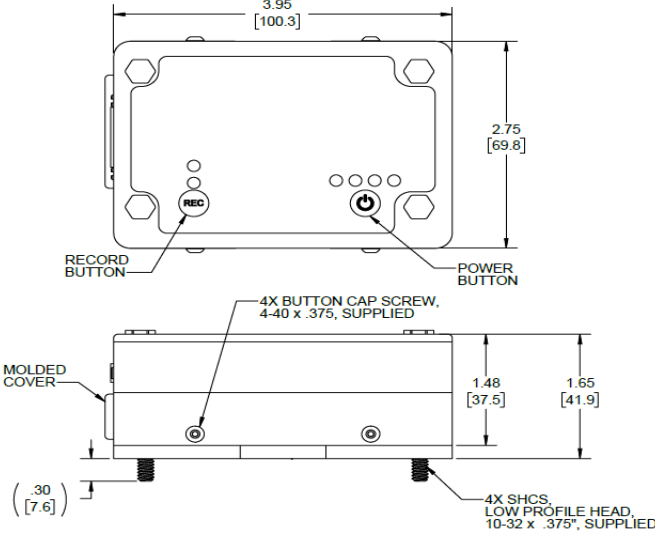
5 LOCATION OF SENSING ELEMENT

4 USE CHARGING CABLE 60068A (SUPPLIED)

3 TIE TO DGND

2. HOUSING MATERIAL: ALUMINUM ALLOY, ANODIZED, COLOR: BLUE.
MOUNTING PLATE MATERIAL: ALUMINUM ALLOY, ANODIZED, COLOR: BLUE.
1. TOTAL WEIGHT: 425 GRAMS, MAX.
(INCLUDING MOUNTING PLATE AND MOUNTING HARDWARE)

NOTES: UNLESS OTHERWISE SPECIFIED

MODEL NUMBER 4401A2		PERFORMANCE SPECIFICATIONS				DOC NO. PS4401A2						
		DATA RECORDER, MULTI-AXIS				REV D, ECN 13948, 01/09/18						
	<ul style="list-style-type: none">RECORDS MULTIPLE DATA CHANNELS FOR SEVERAL DAYSMICROSDHC CARD COMPATIBLEOPTION FOR EXTERNAL POWERSOFTWARE TRIGGERED RELAY						Model		Internal Accelerometers Range (Gpeak)		Noise (Grms)	
Refer to the performance specifications of the products in this family for detailed description												
DATA CONVERSION												
Sampling rates				250, 1200, 4280				Samples/sec				
Resolution				14				bit				
Synchronization				See notes								
Supplied Accessories:												
1) Accredited calibration certificate (ISO 17025)												
2) Mounting plate, Qty. 1												
3) Mounting Screws, 10-32 x .375, Qty. 4												
4) 60068A - Charging cable, 3 ft.												
Notes:												
[1] All internal channels are synchronized between each other. All external channels are synchronized between each other.												
												
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-4401A1 for more information.												

ENGLISH		SI	
15.8	oz	450	grams
4x 10-32 Screws		4x 10-32 Screws	
Aluminum, Anodized		Aluminum, Anodized	

±16	Gpeak	±157	m/s ² peak
0 to 1200	Hz	0 to 1200	Hz
±1000	°/sec	±1000	°/sec
0-140	Hz	0-140	Hz
5	%	5	%
0.025	Grms	0.25	m/s ² rms

200	VDC	200	VDC
0.5	A	0.5	A
>10	GΩ	>10	GΩ
100	mΩ	100	mΩ
10	W	10	W
0.5	msec.	0.5	msec

-4 to +131	°F	-20 to +55	°C
32 to +104	°F	0 to +40	°C
IP65		IP65	
200	g	1962	m/s ²
500	g	4905	m/s ²

LiPo, 2000mAh		LiPo, 2000mAh	
8 - 32	VDC	8 - 32	VDC
5	VDC	5	VDC
8	hours	8	hours
250	mA	250	mA
Yes		Yes	

PHYSICAL

Weight, Max.

Mounting

Housing

Material

INTERNAL SENSOR PERFORMANCE

Acceleration Range (X, Y, Z Directions)

Frequency Range (Acceleration), -3dB

Angular Rate Range (X, Y, Z Directions)

Frequency Range (Gyro), -3dB

Transverse Sensitivity, Max

Noise, Accelerometers.

RELAY

Max switching voltage

Maximum current

Insulation resistance

Contact resistance

Rated power

Max operation time

ENVIRONMENTAL SPECIFICATIONS

Operating temperature, Discharging

Operating temperature, Charging

Seal

Max vibration

Max shock

POWER SPECIFICATIONS

Battery, Capacity

External power

USB power

Charge Time

Charge current

Charge indicator



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