

PROPRIETARY AND CONFIDENTIAL

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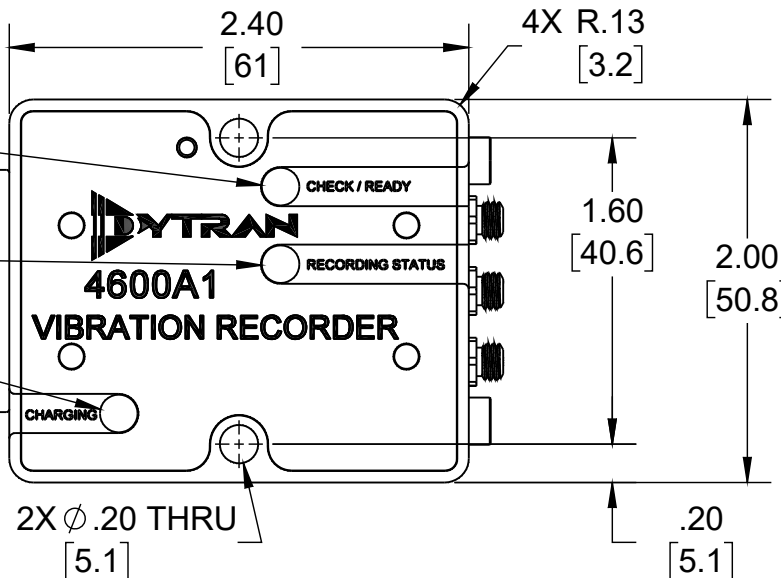
REVISIONS

| REV. | ECN | DESCRIPTION | BY/DATE | CHK | APPR |
|------|-------|--------------------------------|----------------|-----|------|
| B | 16888 | ZONE 1C: REMOVED USB RENDERING | AS 09/27/22 | JB | DV |

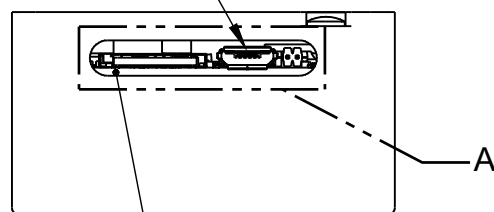
HARDWARE CHECK / READY INDICATOR LED

RECORDING INDICATOR LED

CHARGING INDICATOR LED



MATES WITH CHARGING CABLE, MODEL 69126, QTY:1 (SUPPLIED)



MOLDED COVER NOT SHOWN FOR CLARITY



POWER BUTTON

RECORD BUTTON

2X .32 [8.1]

3X 10-32 CONNECTORS

RARE EARTH MAGNETS, PERMANENTLY INSTALLED

MOLDED COVER

7 BOTTOM COVER, REMOVABLE

BATTERY CHARGING PORT, MICRO-USB

6 SYNCHRONIZATION CONNECTOR

MICRO-SD CARD SLOT (MICRO-SD CARD SUPPLIED)

7 MOLDED COVER NOT SHOWN FOR CLARITY

DETAIL A SCALE 3:1

7 MOLDED COVER AND BOTTOM COVER MUST BE INSTALLED TO MEET IP RATING.

6 MATING SYNCHRONIZATION CABLE: DYTRAN MODEL 60153AXX.

5 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.

4 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.

3. OPERATING TEMPERATURE, DISCHARGING: -4 °F TO +140 °F (-20 °C TO +60 °C) OPERATING TEMPERATURE, CHARGING: +32 °F TO +113 °F (0 °C TO +45 °C)

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

1. WEIGHT: 170 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.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:

| DECIMALS | METRIC | ANGLES |
|------------|-----------|--------|
| .XX ±.03 | .X ±.08 | ±1° |
| .XXX ±.010 | .XX ±0.25 | |

| APPROVALS | | DATE |
|-----------|----|----------|
| ORIG | AM | 01/22/21 |
| CHK | AS | 06/02/22 |
| APP | DV | 06/02/22 |

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION USA

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

TITLE: OUTLINE/INSTALLATION DWG, VIBRATION RECORDER, MODEL 4600A1

| SIZE | CAGE CODE | DWG NO | REV |
|------|-----------|------------|-----|
| B | 2W033 | 127-4600A1 | B |

SCALE: 1:1 SHEET 1 OF 1

| | | |
|-------------------------------|-----------------------------------|----------------------------|
| MODEL NUMBER 4600A1 | PERFORMANCE SPECIFICATIONS | DOC NO. PS4600A1 |
| | ACCELERATION RECORDER | REV C, ECN 16914, 10/25/22 |



- RECORDS VIBRATION UP TO 10 HOURS (3 CHANNEL)
- IP64 RATED
- MICRO-SDHC CARD COMPATIBLE
- DUAL MOUNTING CONFIGURATIONS
- INTEGRATED ANTI-ALIASING FILTERS

PHYSICAL

Weight, Max.
Mounting
Connector (3X)
Housing

| ENGLISH | | SI | |
|----------------|--------------------|--------------------|--|
| Weight, Max. | 5.3 oz | 150 grams | |
| Mounting | Screws / Magnets | Screws / Magnets | |
| Connector (3X) | 10-32 Coaxial | 10-32 Coaxial | |
| Housing | Aluminum, Anodized | Aluminum, Anodized | |

PERFORMANCE

Sampling Rates
Acquisition Type
Synchronized Triggering
Recording Time, Max.
Memory Card Type
Resolution
File size

| ENGLISH | | SI | |
|-------------------------|---------------------------------------|---------------------------------------|--|
| Sampling Rates | 100, 500, 1000, 5000, 10000, 25000 Hz | 100, 500, 1000, 5000, 10000, 25000 Hz | |
| Acquisition Type | Free Run / Triggered / Time | Free Run / Triggered / Time | |
| Synchronized Triggering | Optical / Cable transmission | Optical / Cable transmission | |
| Recording Time, Max. | 10 hours | 10 hours | |
| Memory Card Type | Micro-SDHC | Micro-SDHC | |
| Resolution | 16 Bit | 16 Bit | |
| File size | 1-100 Mbyte | 1-100 Mbyte | |

ELECTRICAL

Battery
Sensor Current (±10%)
Sensor Compliance Voltage
Input Voltage
Coupling
Coupling TC
Anti-Aliasing filters

| ENGLISH | | SI | |
|---------------------------|------------------------|------------------------|--|
| Battery | 1400mAh (Rechargeable) | 1400mAh (Rechargeable) | |
| Sensor Current (±10%) | 2 mA | 2 mA | |
| Sensor Compliance Voltage | 18 - 19 VDC | 18 - 19 VDC | |
| Input Voltage | 5 V | 5 V | |
| Coupling | AC | AC | |
| Coupling TC | > 3 sec | > 3 sec | |
| Anti-Aliasing filters | 8-pole Elliptic | 8-pole Elliptic | |

ENVIRONMENTAL

Shock Max
Operating Temperature, Discharging
Operating Temperature, Charging
Seal [3]

| ENGLISH | | SI | |
|------------------------------------|----------------------|--------------------------|--|
| Shock Max | 1,000 g pk | 9810 m/s ² pk | |
| Operating Temperature, Discharging | -4 to +140 °F | -20 to +60 °C | |
| Operating Temperature, Charging | +32 to +113 °F | 0 to +45 °C | |
| Seal [3] | Environmental / IP64 | Environmental / IP64 | |

This family also includes:

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |
| | | | | |

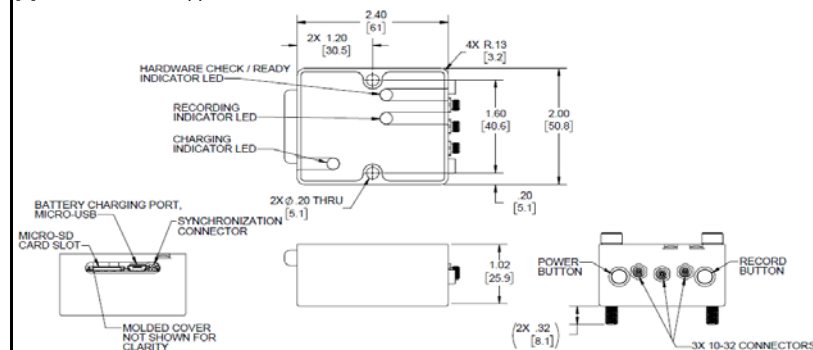
Refer to the performance specifications of the products in this family for detailed description

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
- 4) Charging cable, Model 69126, USB Type A to Micro B, Qty:1

Notes:

- [1] Compatible cables include: Model 6010A (10-32 to 10-32), Model 6431AXX (10-32 to 4-pin) Model 6337AXX (10-32 to SMB), Model 6772AXX (10-32 to M3 X 0.35 Conn), Model 60153AXX (Synchronization Cable) etc.
- [2] In the interest of constant product improvement, we reserve the rights to change the specifications without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.
- [3] Molded cover and bottom cover with integral sealing gasket must both be installed to meet IP64 rating.
- [4] Micro-SD card supplied.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-4600A1 for more information.



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