

# 4401A2

MODEL NUMBER

# PERFORMANCE SPECIFICATIONS

DATA RECORDER, MULTI-AXIS

grams

m/s<sup>2</sup>

m/s<sup>2</sup>

**VDC** 

VDC

hours

mΑ

SI

425

4x 10-32 Screws

Aluminum, Anodized

1962

4905

LiPo, 2000mAh

8 - 32

5

8

250

Yes

PS4401A2

DOC NO.

REV A ECN 13347 03/08/17

- RECORDS MULTIPLE DATA CHANNELS FOR SEVERAL DAYS MicroSDHC CARD COMPATIBLE OPTION FOR EXTERNAL POWER
- SOFTWARE TRIGGERED RELAY

**ENGLISH** 

ΟZ

14.9

4x 10-32 Screws

Aluminum, Anodized

200

500

LiPo, 2000mAh

8 - 32

250

Yes

AXIO			TCL V 71, LOT 100+1, 00/00/11	
	Model	Internal Accelerometers Range (Gpeak)	Noise (μg/√Hz)	
	4401A1	±5	375	
	4401A3	±200	4300	

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

### DATA CONVERSION

Sampling rates
Resolution
Synchronization

250, 1200, 4280
14
See notes

Samples/sec bit

# 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

±16	Gpeak	±157	m/s² peak		
0 to 1200	Hz	0 to 1200	Hz		
±1000	°/sec	±1000	°/sec		
0-140	Hz	0-140	Hz		
5	%	5	%		
450	μg/√Hz	4415	μ(m/s²)/√Hz		
200	VDC	200	VDC		
0.5	Α	0.5	Α		
>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	1		

g

g

VDC

VDC

hours

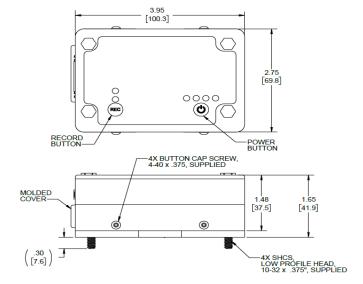
mΑ

# Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Mounting plate, Qty. 1
- 3) Mounting Screws, 10-32 x .375, Qtv. 4

### 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.



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