KINETIX

FLEET EDITION

Suited for maritime agencies requiring on-board crew alerts and post-transit analysis

KINETIX

FLEET EDITION COMPONENTS

Processing Unit Seat-mounted or standalone
On-board data storage 1000+ hours
Accelerometer Triaxial
Data acquisition rates Up to 1kHz

SYSTEM PROCESSING UNIT (SPU)

+

DIGITAL LOG BOOK (DLB)
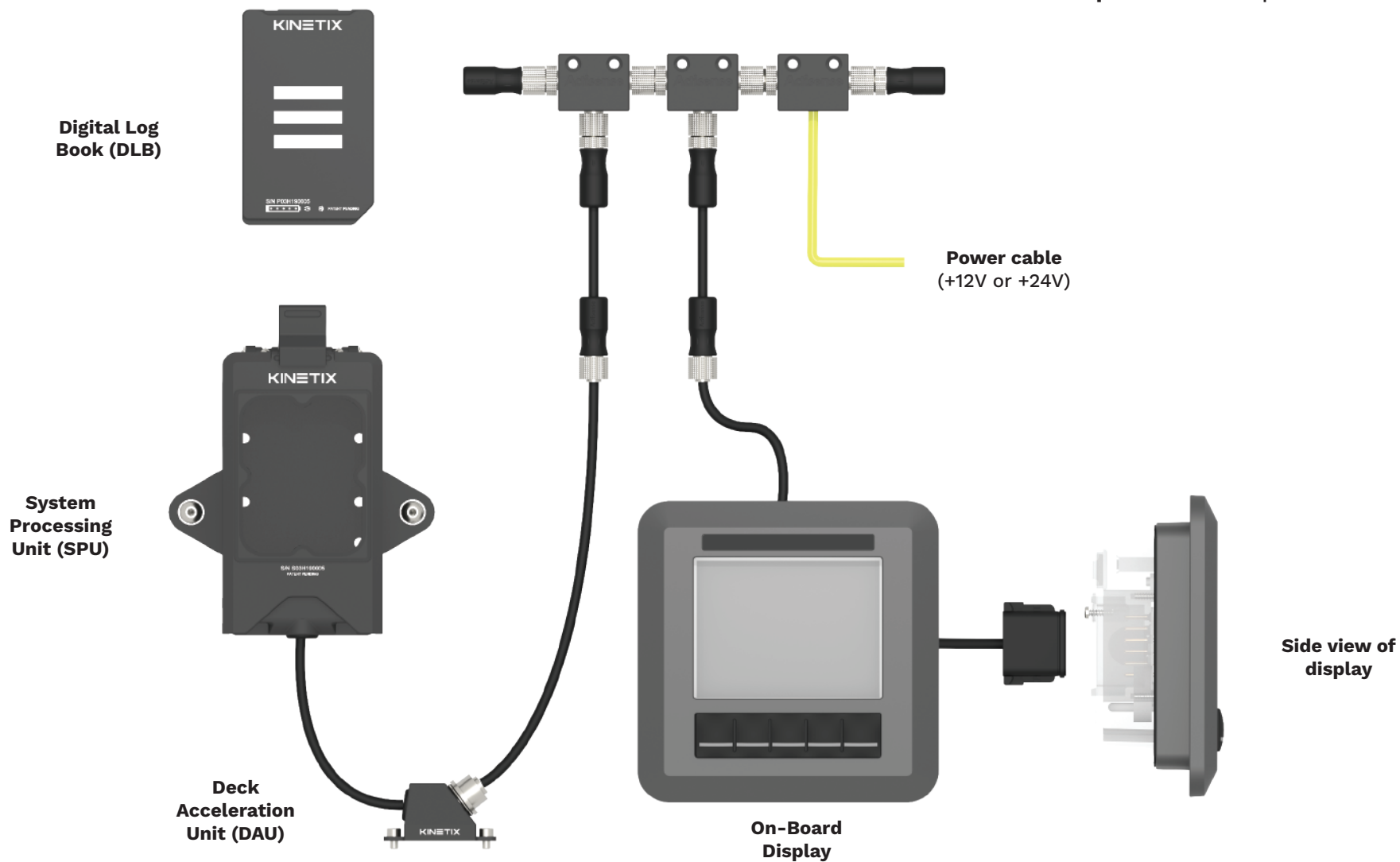
+

DECK ACCELERATION UNIT

+

ON-BOARD DISPLAY

KINETIX

FLEET EDITION COMPONENTS

Processing Unit Seat-mounted or standalone
On-board data storage 1000+ hours
Accelerometer Triaxial
Data acquisition rates Up to 1kHz

Digital Log Book (DLB)

System Processing Unit (SPU)

Deck Acceleration Unit (DAU)

Power cable (+12V or +24V)

On-Board Display

Side view of display

SYSTEM PROCESSING UNIT (SPU)

The System Processing Unit (SPU) is an IP68 housing to protect the data logbook. It also functions as a system computer and contains a seat accelerometer.
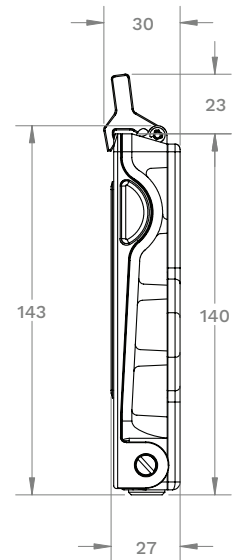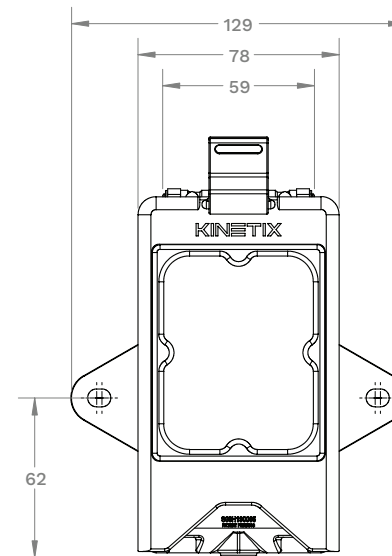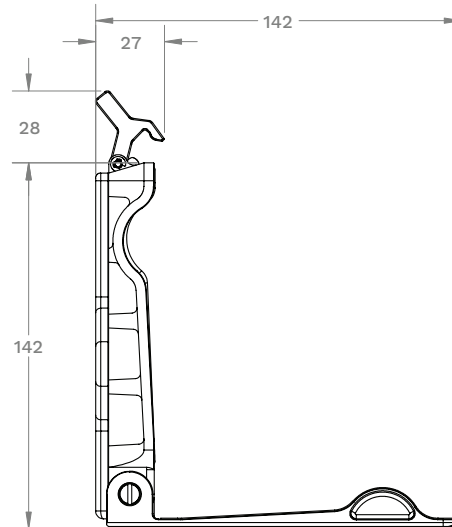
It is typically permanently mounted to a shock mitigating suspension seat.

System Processing Unit (SPU)

Seat placement (for illustration only, seat types may vary)

DIGITAL LOG BOOK (DLB)

The DLB records occupant and vessel data. The DLB fits into the SPU, and is easily removed for data download or charging.
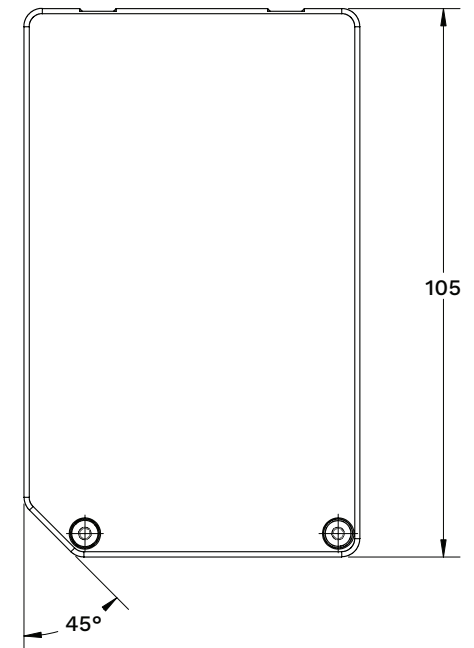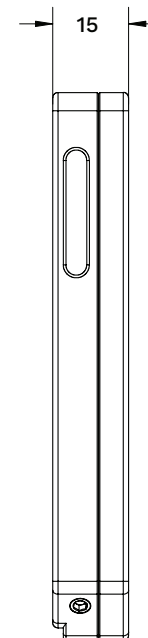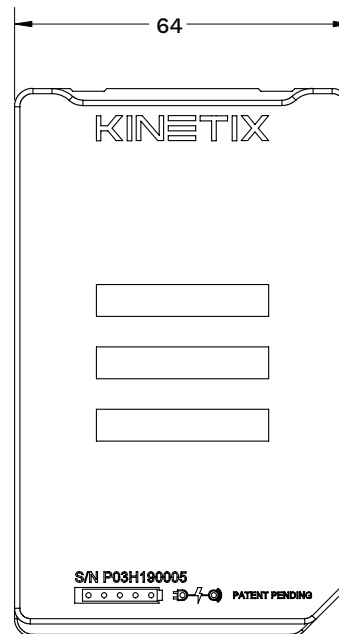
The DLB also powers the Kinetix system. It is rechargeable and IP68 rated.

Digital Log Book (DLB)

Seat placement (for illustration only, seat types may vary)

64

15

105
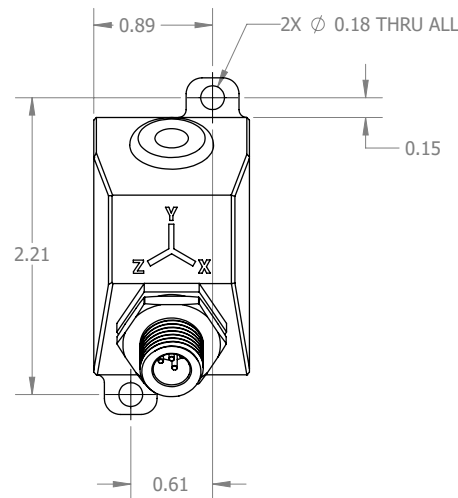
45°

S/N P03H190005

PATENT PENDING

DECK ACCELERATION UNIT (DAU)

The Deck Acceleration Unit (DAU) measures accelerations acting on the vessel.
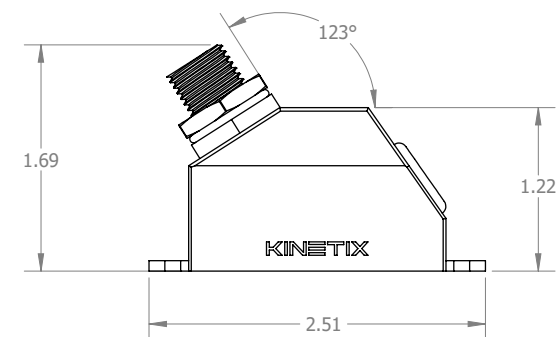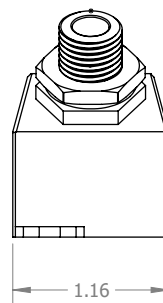
It is typically permanently or semi-permanently mounted to a fixed point on the vessel.

Deck Acceleration Unit (DAU)

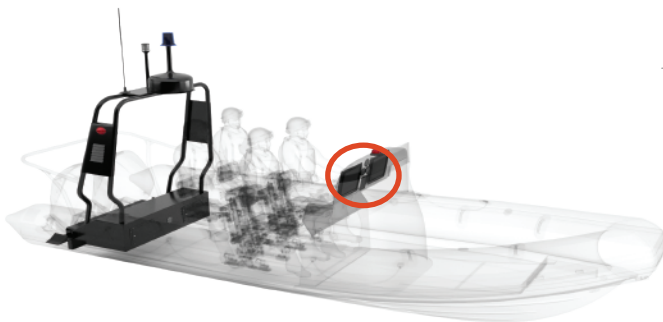Seat placement (for illustration only, seat types may vary)

2X ⌀ 0.18 THRU ALL
0.89
0.15
2.21
0.61

1.16

123°
1.69
1.22
2.51

KINETIX

KINETIX DISPLAY

The KINETIX digital on-board dash display alerts crew in real-time to hazardous impact conditions.

The display is IP-rated 67.
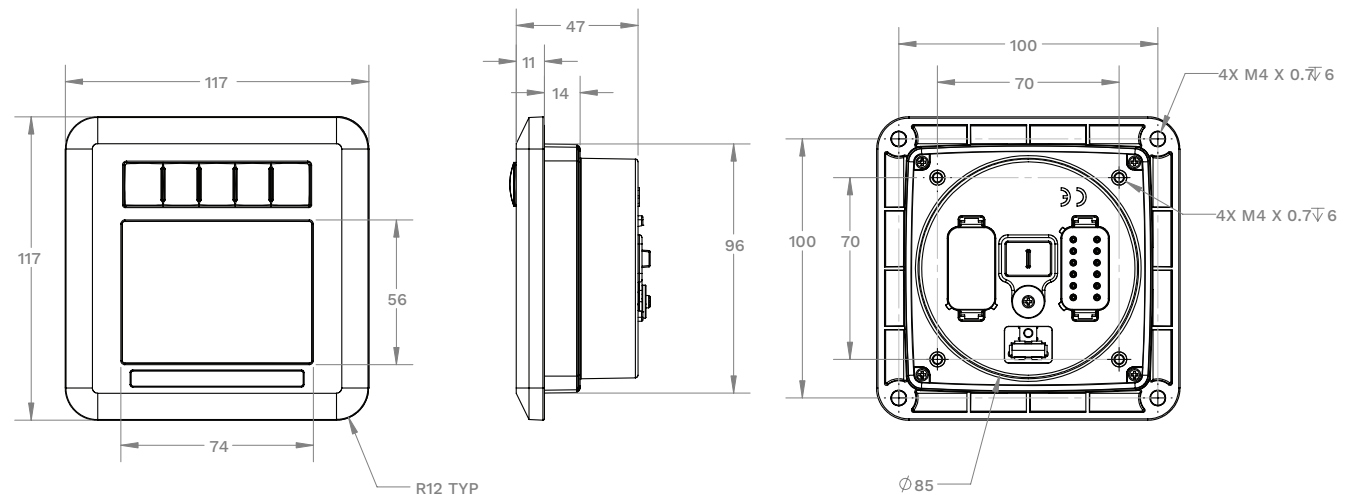

On-Board Display (optional)

Typical placement (for illustration only)

117

117

74

56

R12 TYP

47

11

14

96

100

70

100

70

4X M4 X 0.7 �downarrow 6

4X M4 X 0.7 �downarrow 6

Ø85

*Both options require a Bluetooth-connected
Data Log Book

The KINETIX application is available through the Raymarine LightHouse application store for the Axiom series. KINETIX also displays on most other Android-powered devices.

The KINETIX application can be displayed on a Smartwatch for individualized reporting and physical alerts (i.e. vibration or sound).

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KINETIX SPECIFICATIONS

Processing Unit Seat-mounted or standalone
On-board data storage 1000+ hours
Accelerometer Triaxial
Data acquisition rates Up to 1kHz

Acceleration	Data Storage	Power
Tri-axial X, Y, Z with gyro	64 GB flash memory	6000 mAh LiPo battery
Up to 1 kHz recording	Up to 2000 hours logging	100 hours active logging
+/- 30 g range	7+ data channels	6+ months standby mode
1 mg resolution	Real-time clock stamped	12-24 V power input