

Lightweight and compact crash protected memory unit

Available memory size 8 GB to 64 GB

# Sentinel

## Crash survivable memory unit

CSMU-ED155 Version & CSMU- ED112 Version



### CSMU Lightweight and compact

Sentinel - Crash Survivable Memory Unit is an optional unit design for all our Airborne Data Recorders, if you need a crash protected module (CPM) for your applications like flight testing, to be sure to recover data in case of a serious accident. This CPM has been design to meet all the performance and survivability requirements of EURO CAE ED-155 or ED-112 normalization.

To take an example you can have a mission recorder in the cockpit with removable cartridge and have a sentinel unit in the tail of the plane connected to the mission recorder who recorded exactly the same things or add on parameters.

Sentinel CSMU is available in two types of Version CSMU-ED155 light version and CSMU-ED112 more rugged version. An optional underwater acoustic beacon is available to facilitate the location of the recorder under water

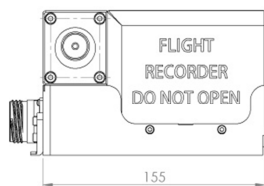
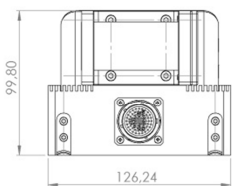
### The Sentinel CSMU Key Features

- Crash survivable memory unit ED-155 standard available
- Crash survivable memory unit ED-112 standard available
- 8 to 64 GBytes available

### Typical Applications

- Investigation of an occurrence (accident or incident).
- Can be used for flight data monitoring.
- Reduced insurance premiums, etc...

Difference between versions	Sentinel CSMU-ED155	Sentinel CSMU-ED112
Survivability Requirement		
Impact	1000 G., 5ms, All Axes	3400 G., 6.5ms
Pin Penetration	200 lb., 10 ft.	500 lb., 10 ft.
Static Crush	1000 lb., 5 min All Axes	5000 lb., 5 min All Axes
Low Temperature Fire	260°C, 2 Hours	260°C, 10 Hours
High Temperature fire	1100°C During 15 to 30 Min.	1100°C During 1 Hr.
Sea Water Immersion	3 Days	30 Days
Deep Sea Pressure	5000 ft. 24 Hours	20 000 ft. 24 Hours
Fluid Immersion	Various Fluids 24 Hours	Various Fluids 48 Hours



### Physical dimension

Height: 3.9 inches, 99.8 mm

Width: 4.9 inches, 126.24 mm

Depth: 6.1 inches, 155 mm

Weight: 6.6lbs 3Kg

