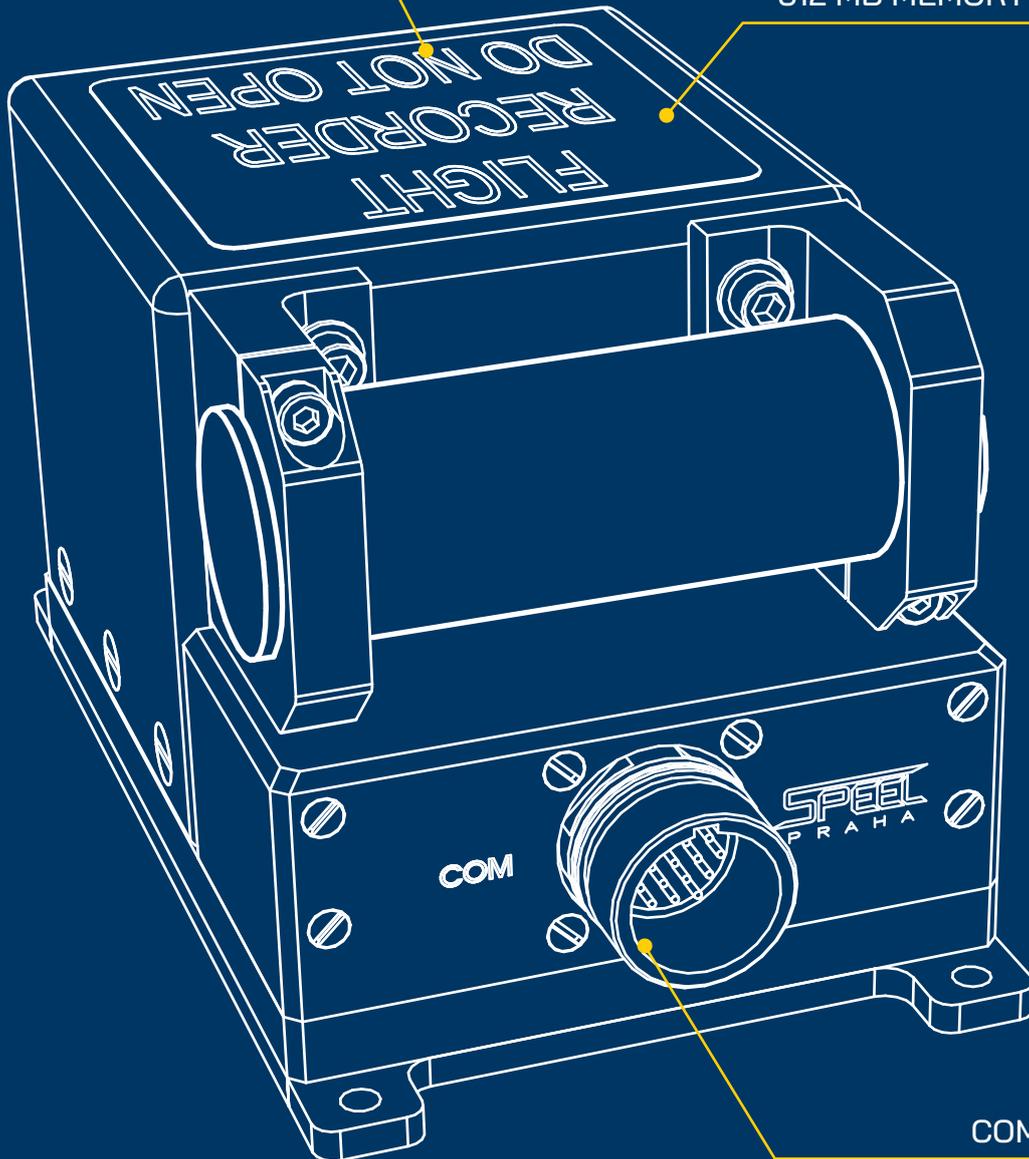


100% DATA  
REDUNDANCY

512 MB MEMORY CAPACITY



COMPACT SIZE

The Crash Airborne Recording Equipment, CARE, records data received via a 10Base-T / 100Base-TX Ethernet and/or an RS422 interface and allows the stored data to be read even after an aircraft crash. The CARE design is not aircraft specific and can be installed on any aircraft. It can be equipped with an underwater locator beacon (if requested).

CARE

## Crash Airborne Recording Equipment

The CARE unit is part of SPEEL's CVFDR system.

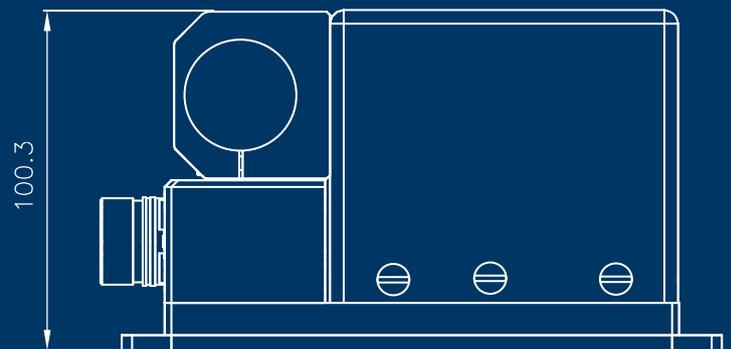
## Technical Specifications

Dimensions (w/h/l)	100x100x150 (100x100x175 with locator beacon) (mm)
Weight	< 3.5 kg
Power Supply	12 VDC to 33 VDC
Power Consumption	< 6 W
Maximum Data Flow	1 MByte/sec
Capacity of Memory	512 MB main 512 MB backup (100% redundancy)
Data Interfaces	1x Ethernet 1x RS232C 1x RS422
Impact Resistance*	3400 g / 6.5 ms
Fire Resistance*	100 % of surface, 1100 °C for 60 min 100 % of surface, 265 °C for 10 hours
Deep Sea Water Pressure Resistance*	6 km / 30 days
Static Crush resistance*	22.25 kN / 5 min
Aircraft Fluids Resistance*	48 hours
Extinguishing Fluids Resistance*	8 hours
Penetration Resistance*	Steel pin - diameter 6.35 mm and length 40 mm, mass 277 kg, height 3 m
Emergency Locator Beacon	DK120/90
Environmental Compliance	MIL-STD-810E
Operating Temperature Range	-54°C to +71°C
MTBF	>10000 FH

[ HEAD-UP DISPLAY ]

[ CVFDR ]

\* Protective case parameters. According to TSO C123a.



CARE

**Crash Airborne  
Recording Equipment**

**SPEEL**  
P R A H A

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