



## SRVIVR25™

Longest duration of voice and flight data available for crash-protected recorders.



Acron Aviations' innovative SRVIVR25 line of cockpit voice and data recorders provide low cost of ownership and the longest duration of voice and flight data ever available for analysis. Offering a minimum of 25 hours of voice recording over four audio channels, as well as a minimum of 140 hours of flight data recording, this line of recorders meet the 2021 European Aviation Safety Agency's (EASA) mandate following the International Civil Aviation Organization's (ICAO) published safety standards to extend the voice recording duration and provides a platform to support advanced connectivity.

The new state-of-the-art design reduces operating costs through weight, is more environmentally friendly and is a direct replacement solution for Acron Aviation' FA2100, as well as other ARINC 747 and 757 recorders, offering airlines flexibility for both new and existing aircraft.

Acron Aviation' SRVIVR25 recorders also support an integrated Recorder Independent Power Supply (RIPS) required to provide a minimum of 10 minutes backup power to cockpit voice recorders. The internal RIPS battery is within the recorder saving space, weight and reduces wiring complexity.

The CVDR platform has been designed with future options to support data connectivity including Autonomous Distress Tracking & Timely Recovery of Flight Data per the 2023 mandate and the ability to stream data.

Additionally, new state-of-the-art environmentally friendly Underwater Locator Beacons (ULBs) removes the Class 9 hazardous material classification and meets FAA conditionals reducing the need for special handling, storage and shipping.

The SRVIVR25 family provides operators with the ability to quickly download and analyze flight data for safety and preventative maintenance investigations. This data helps accident investigators as well as provides thousands of parameters of data able for Flight Data Monitoring (FDM)/Flight Operations Quality Assurance (FOQA) supporting airlines Standard Operating Procedures (SOP).



### RELIABILITY & INNOVATION

- > Nearly 60 years as a leading supplier of aircraft recorders
- > 4 Audio channels each with 25+ hours of audio (CVR) recording
- > 25+ hours Datalink recording
- > 140+ hours of flight (FDR) recording @ 2048wps
- > Environmentally-friendly Underwater Locator Beacon (ULB)
- > Direct replacement for FA2100s
- > Meets EU 2015/2338 Mandate
- > Supports Autonomous Distress Tracking & Timely Recovery of Flight Data

DISCOVER MORE:  
[acronaviation.com/SRVIVR25](https://acronaviation.com/SRVIVR25)

# Specifications

	SRVIVR25 CVDR (Cockpit Voice and Data Recorder)	SRVIVR25 CVR (Cockpit Voice Recorder)	SRVIVR25 FDR (Flight Data Recorder)
<b>Physical</b>			
Size:	1/2 ATR (short)		1/2 ATR (short or long)
Height:	5.2" (13.21 cm)		Short: 5.2" (13.21 cm) Long: 5.2" (13.21 cm)
Width:	5.0" (12.70 cm)		Short: 5.0" (12.70 cm) Long: 5.0" (12.70 cm)
Depth:	12.6" (32.00 cm)		Short: 12.6" (32.00 cm) Long: 19.6" (49.78 cm)
Weight (with RIPS):	11.01 lb. (4.99 kg) nominal-AC Ver. 10.99 lb. (4.98 kg) nominal-DC Ver.		Short: 9.90 lb. (4.49 kg) nominal Long: 10.26 lb. (4.65 kg) nominal-AC Ver.
Wiring:	ARINC 757/757A		ARINC 747
<b>Power</b>			
Requirements:	115V, 400 Hz or 28 VDC		
Consumption:	13W @ 28VDC, 10W @ 115VAC/400Hz		
Control Unit:	18VDC, 25 mA short-circuit protected power source for control unit/microphone preamplifier		
<b>Recording</b>			
Audio:	25+ hours of high-quality 4-channel voice recording plus Datalink		–
Channels:	4 microphone inputs + Datalink		–
Rotor Speed:	7 Hz – 6 kHz	–	–
FDR Data:	70+ hours of 573/717 flight data at 256/512/1024 or 2048 wps, rotor speed and GMT time code	–	140+ hours of 573/717 flight data at 256/512/1024 or 2048 wps, rotor speed and GMT time code
Features:	OMS and CPDLC (Datalink) capable		OMS
<b>Monitor Out</b>			
Headphone Out:	600 Ω at the control unit; optional 8 Ω		–
Bulk Erase:	Fail-safe, double electric interlock audio memory erasure completed in 5 sec.		–
<b>Connectors</b>			
Rear: (Mil-DTL-38999, interface cable is available)	57-pin DPXB		Dual 57-pin DPX2-37065-0011 connector-compatible with ARINC 573/717/747
Mating:	ITT Cannon DPXBMA-57-33S-0001, or equivalent		–
<b>Environmental</b>			
Temperature:	Operating: -55° C to +70° C / Non-operating: -55° C to +85° C		
Altitude:	Operating: -1,000 ft. to 55,000 ft		
Vibration:	Operating: DO-160G Para 8; Category H (curve R), CAT R (Curve B3 and B4))		
Penetration:	500 lb./10 ft./1/4-in. probe		
Static Crush:	5,000 lb.		
Deep Sea Pressure:	6,000 meters		
Fire Protection:	50,000 BTU/sq. ft./hr. for 60 min. at 1100° C; 10 hrs. at 260° C		
Impact:	3,400 G, 6.5 ms, half-sine shock wave (ED-112A)		
<b>Additional Features</b>			
Underwater Locator Beacon:	TSO-C121b compliant Beacon with a six-year battery and bracket supplied with unit		
Recorder Independent Power Supply (RIPS):	See product support for complete list of the part numbers and aircraft support.		–
Product Certification:	FAA TSO-C123c (CVR), C124c (FDR), C177a (Datalink), C155b (RIPS)	FAA TSO-C123c (CVR), C177a (Datalink), C155b (RIPS)	FAA TSO-C124c
Regulatory Specification:	RTCA/DO-160G, RTCA/DO-178C DAL D, RTCA/DO-254		

## Deployable SRVIVR25

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