

Aviation Recorders

FA2100 COCKPIT VOICE AND DATA RECORDER

The L-3 FA2100 Solid-State Cockpit Voice and Data Recorder (CVDR) delivers exceptional reliability, is lightweight and has a low cost of ownership. The FA2100 CVDR provides four channel, 2 hour or 30 minute high quality audio recording and 64/128/256/512 words per second flight data for a minimum of 25 hours.



KEY FEATURES

- Up to 2 hours of high quality recording on all four channels and a minimum of 25 hours of flight data at 64/128/256/512 wps
- Commercial airline field experience of >50,000 hours
- ARINC 573/717/747 (data) 557 and 757 compliant
- ARINC 429 OMS and MIL-STD-1553 available
- Military options (NVG, 8 Ohm)
- Lightweight — 10 lbs with stainless steel CSMU (4.6 kg)
- Optional titanium CSMU
- Low power consumption — 12W AC and 10.5W DC
- Stand-alone CVR and FDR options available
- Control units, microphones and installation accessories are available
- Common ground support equipment with FA2100 CVR and FDR



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PHYSICAL DIMENSIONS

Size:	½ ATR short
Height:	5.5 in (14.00 cm)
Width:	5.0 in (12.70 cm)
Depth:	12.6 in (32.00 cm)
Weight:	10 lbs (4.49 kg) nominal (optional 7.9 lb)

POWER

Requirements:	115V, 400 Hz or 28V DC
Consumption:	12W max AC 10.5W max DC
Control Unit:	18V DC, 25 mA short-circuit protected power source for preamplifier

RECORDING

Audio:	30 min or 120 min high quality, 4 channels
Data:	25 hrs of 573/717 flight data at 64/128/256/512 wps, rotor speed and time code

MONITOR OUTPUT

Headphone Jack:	600 ohms at the control unit, optional 8 ohms
Bulk Erase:	Fail-safe, double electric interlock audio memory era sure completed in 5 sec

CONNECTORS

Rear:	57-pin DPXB
Mating:	ITT Cannon DPXBMA-57-33S-0001, or equivalent

ENVIRONMENTAL

Temperature:	Operating: -55° to +70°C Non-operating: -55° to +85°C
Altitude:	Operating: -1000 to 55,000 ft
Vibration:	Operating: D0-160C Para 8.6.2 Category C (random)

ENVIRONMENTAL cont'd

Penetration:	500 lbs/10 ft ^{1/4} -inch probe
Static Crush:	5000 lbs
Fire Protection:	50,000 BTU/sq ft/hr for 60 min at 1100°C; 10 hrs at 260°C
Impact:	3400 g, 6.5 ms, half-sine shock wave

UNDERWATER ACOUSTIC BEACON

Beacon, six-year battery and bracket supplied with unit

CERTIFICATION

FAA TSO-C123a and C124a

REGULATORY SPECIFICATIONS

ARINC 404A, 757, EUROCAE MOPS ED-55
and ED-112, ED-56A

L-3 Aviation Recorders Quality Management System is
ISO 9001:2000 and AS9 100:2004 Rev. B Certified

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communications

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L-3. Headquartered in New York City, L-3 Communications is a prime contractor in aircraft modernization and maintenance, C³ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, subsystems and systems.

This technical data and software is considered as Technology Software Publicly Available (TSPA) as defined in Export Administration Regulations (EAR) Part 734.7-11.

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