

Solid-State Flight Data Recorder

The L3 FA2100 Solid-State Flight Data Recorder (SSFDR) delivers exceptional reliability, is lightweight and has a low cost of ownership. The FA2100 SSFDR records 64/128/256/512/1024 words-per-second (wps) flight data for a minimum of 25 hours. The FA2100 SSFDR is directly interchangeable with the Fairchild Model F800, F1000, ARINC 573 and 717 Flight Data Recorders (FDRs).



FEATURES

- Minimum of 25 hours of flight data at 64/128/256/512/1024 wps
- Commercial airline field experience 50,000 hours
- Military options (MIL-STD-1553)
- Lightweight — 11.2 lb. maximum, with stainless steel Crash-Survivable Memory Unit (CSMU) (5.1 kg)
- Optional titanium CSMU
- Available in ½ ATR short- or long-box configurations
- Low-power consumption — 11.2 W max AC and 10.1 W max DC
- Combined Cockpit Voice Recorder (CVR) options available
- Direct replacement for ARINC 573/717 FDRs
- Accelerometers and installation accessories available
- Common ground support equipment with FA2100 CVR and Cockpit Voice and Data Recorder (CVDR)



Solid-State Flight Data Recorder

SPECIFICATIONS

PHYSICAL

Size 1/2 ATR, short or long

SHORT VERSION

Height 5.5 in. (13.97 cm)

Width 5.0 in. (12.70 cm)

Depth 12.6 in. (32.00 cm)

Weight 10.6 lb. (4.8 kg) maximum

Reliability 50,000 hrs. MTBF

LONG VERSION

Height 5.5 in. (13.97 cm)

Width 5.0 in. (12.70 cm)

Depth 19.6 in. (32.00 cm)

Weight 11.2 lb. (5.1 kg) maximum

Reliability 50,000 hrs. MTBF

POWER

Requirements 115 V, 400 Hz or 28 VDC

Consumption 11.2 W max AC and 10.1 W max DC

RECORDING

Time Storage capacity exceeds 25 hrs. of flight data

CONNECTORS

Rear AS81659- and ARINC 404-compliant 57-pin dual receptacle

Mating AS81659- and ARINC 404-compliant dual-insert plug

ENVIRONMENTAL

Temperature	Operating	-55 °C to +70 °C
	Non-operating	-55 °C to +85 °C

Altitude	Operating	-1,000 to 55,000 ft.
----------	-----------	----------------------

Vibration	Operating	DO-160C Para 8.5.2 Category C (random)
-----------	-----------	---

Penetration	ED-55	500 lbs./10 ft./1/4-in. probe
-------------	-------	-------------------------------

Static Crush	ED-55	5,000 lb.
--------------	-------	-----------

Fire Protection	50,000 BTU/sq. ft./hr. for 60 min. at 1100 °C; 10 hrs. at 260 °C	
-----------------	---	--

Impact	ED-55	3,400 G, 6.5 ms, half-sine shock wave
--------	-------	---------------------------------------

UNDERWATER ACOUSTIC BEACON

90-day beacon, seven-year battery and bracket supplied with unit

PRODUCT CERTIFICATION

FAA TSO-C124a, TSO-C124b

REGULATORY SPECS

ARINC 404A, 573/717 (64/128 wps), 747 (64/128/256/512/1024 wps), EUROCAE MOPS ED-55, RTCA/DO-160C, RTCA/DO-178B Level D, RTCA/DO-254 Level D

COMPANY CERTIFICATION

L3 Aviation Products Quality Management System is ISO 9001:2008 and AS9100:2009 Rev. C Certified

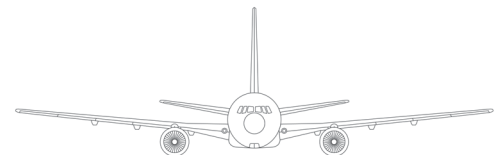
L3 Aviation Products

100 Cattlemen Road

Sarasota, Florida 34232 U.S.A.

Tel: 941-371-0811 Fax: 941-377-5591

www.L3aviationproducts.com



L3 Aviation Products is a leading provider of commercial and military avionics, as well as MRO services. We manufacture a diverse line of safety- and efficiency-enhancing products that sets the standard for next-generation cockpit requirements.