

# L-3 Aviation Recorders

## FA2100 FLIGHT DATA RECORDER

The L-3 FA2100 Solid State Flight Data Recorder (SSFDR) delivers exceptional reliability, is light weight and has a low cost of ownership. The FA2100 FDR records 64/128/256/512/1024 words per second (wps) flight data for a minimum of 25 hours. The FA2100 FDR is directly interchangeable with the Fairchild Model F800, F1000, ARINC 573 and 717 FDRs.



### KEY FEATURES

- Minimum of 25 hours of flight data at 64/128/256/512/1024 wps
- Commercial airline field experience 50,000 hours MTBF
- Fully compliant and certified to all civil and regulatory standards
- Military options (Mil-Std 1553)
- Lightweight <11 lbs with stainless steel CSMU (5 kg)
- Optional titanium CSMU
- Available in 1/2 ATR short or long box configurations
- Low power consumption (9W)
- Combined CVR options available
- Direct replacement for ARINC 573/717 FDRs
- Accelerometers and installation accessories available
- Common ground support equipment with FA2100 CVR and CVDR



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### PHYSICAL DIMENSIONS

Size:	½ ATR Short or Long
Short Version:	
Height:	5.5 inches (13.97 cm)
Width:	5.0 inches (12.70 cm)
Depth:	12.6 inches (32.00 cm)
Weight:	10 pounds (4.54 kg)
Reliability:	50,000 hours MTBF (calculated)
Long Version:	
Height:	5.5 inches (13.97 cm)
Width:	5.0 inches (12.70 cm)
Depth:	19.6 inches (32.00 cm)
Weight:	10.6 pounds (4.81 kg)
Reliability:	50,000 hours MTBF (calculated)

### POWER

Requirements:	115V, 400Hz or 28VDC
Consumption:	9W max when powered by 28VDC and 10W max when powered by 115VAC 400Hz

### RECORDING

Time:	Storage capacity exceeds 25 hours of flight data
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### CONNECTORS

Rear:	Dual 57-pin DPX2-37065-0011 connector compatible w/ ARINC 573/717/747
Mating:	ITT Cannon DPX2-57S-57S-33-0001 or equivalent

### ENVIRONMENTAL

Temperature:	Operating: -55° to +70°C Non-operating: -55° to +85°C
Altitude:	Operating: -1000 to 55,000 ft

### ENVIRONMENTAL cont'd

Vibration:	Operating: D0-160C Para 8.5.2 Category C (random)
Penetration:	ED-55: 500 lbs/10 ft/¼" probe
Static Crush:	ED-55: 5,000 lbs
Fire Protection:	50,000 BTU/sq ft/hour for 60 minutes at 1110°C; 10 hours at 260°C
Impact:	ED-55: 3400g, 6.5 ms, half-sine shock wave

### UNDERWATER ACOUSTIC BEACON

Beacon, six-year battery and bracket supplied with unit.

### CERTIFICATION

FAA TSO-C124a and ED-112

### REGULATORY SPECIFICATIONS

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

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

### **Aviation Recorders**

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**communications**

**Aviation Recorders**

L-3. Headquartered in New York City, L-3 Communications employs over 64,000 people worldwide and is a prime contractor in aircraft modernization and maintenance, C<sup>3</sup>ISR (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. The company reported 2007 sales of \$14 billion.

MKT051 Rev \*B This technical data and software is considered as Technology Software Publicly Available (TSPA) as defined in Export Administration Regulations (EAR) Part 734.7-11.