

L-3 Aviation Recorders

FLIGHT DATA ACQUISITION UNIT

The L-3 F3000 Flight Data Acquisition Unit (FDAU) is designed for general aviation, business aircraft and unique mission aircraft that require a stand alone ARINC 747 FDAU or a supplementary FDAU for expanded parameter conditioning. The F3000 FDAU converts digital and analog aircraft inputs into a standard ARINC 717/747 data stream that is compatible with all ARINC 717/747 flight data recorders.



KEY FEATURES

- Tailored to unique aircraft requirements for data input in ARINC 429, Analog, Strain Gauge and various digital formats
- Data output in ARINC 429, ARINC 717 and RS-422 formats
- Ethernet data port available
- Specifically suited for business jet and unique mission aircraft programs where supplemental flight data parameters must be monitored
- Standard ARINC 717 interface to L-3 and other ARINC 573/717/747 FDRs
- Data analysis using L-3 ground support equipment and ROSE software
- Lightweight (7 lbs. nominal) with 5 MCU form-factor and standard ARINC 600 mounting tray/rack



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PHYSICAL DIMENSIONS

Size:	ARINC 600 5MCU
Height:	7.64 inches (19.40 cm)
Width:	6.19 inches (15.70 cm)
Depth:	12.54 inches (31.90 cm)
Weight:	7.5 pounds (3 kg)

CONNECTORS

Main Rear Connector:	ITT Cannon, 400 Pin ARINC 600, Size 2 RCPT BKAF2-400-40101SA
Mating Rear Connector:	ITT Cannon, 400 Pin ARINC 600, Size 2 Plug BKAE2-400-30001

ELECTRICAL CHARACTERISTICS

Input Power Requirements:	28VDC
Power Level:	25W maximum

ENVIRONMENT CHARACTERISTICS

Temperature:	Operating: -55° to 70°C Non-operating: -50° to +65°C
Humidity:	0% to 95% relative
Altitude:	Operating: -1000 to 35,000 ft Non-operating: 0 to 50,000 ft

DATA INPUT

Digital:	ARINC 429
Analog:	Potentiometer and synchro
Discrete:	Series and shunt (28VDC)

DATA OUTPUT

Common Standard Output:	ARINC 429/717/573 and RS-422, also provides IEEE 802.3, 100 Base-T, Ethernet
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MOUNTING TRAY

Type:	ARINC 600 5MCU
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CERTIFICATION

FAA CFR 14, Part 125.225

REGULATORY SPECIFICATIONS

ARINC 404A, 747, EUROCAE MOPS ED-55, EUROCAE MOPS ED-112, RTCA/DO-160E, RTCA/DO-178B



Back View



Side View

L-3 Aviation Recorders Quality Management System is ISO 9001:2000 and AS9100:2004 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, 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. The company reported 2007 sales of \$14 billion.

MKT050 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.