UFUK AVIO CVFDR

C2TECH

CRASH-PROTECTED COCKPIT VOICE / FLIGHT DATA RECORDER

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INTRODUCTION

- The CVFDR Developed by CTech is a Crash-Protected Cockpit Voice and Flight Data Recorder Device.
- The Device Ensures the Protection of Recorded Information Against Harsh External Conditions Such as Impact, Temperature, and Underwater Pressure During or After an Accident.
- Crash Protected Memory Architecture in line with EUROCAE ED-112A, the Memory Storage is Logically Partitioned and Physically Segregated to Isolate Flight Data, Cockpit Audio, and Event Logs, Ensuring Maximum Data Survivability in Crash Scenarios.
- With the Underwater Locator Beacon (ULB) Mounted on the Device, the Location of the Platform Can Be Easily Determined in Case of Submersion After an Accident by the Signal Sent From the Device.
- The Data Recorded During Flight Can Be Downloaded to a Computer Using the Ethernet Interface and the Software Tool Developed by CTech, Allowing Users to Analyze Flight Data.
- Flight Data to Be Recorded Can Be Adjusted Through the Software Tool.
- The CVFDR Device Does Not Require Any Fan or Conditioned Environment for Cooling Thanks to Its Convection
- Cooling Feature. This Makes It Integrable Into All Types of Aircraft (Fixed Wing or Rotary Wing).
- It Can Be Easily Integrated Into Different Platforms With Its ARINC-429, MIL-STD-1553B and ARINC-664 Communication Interface Features.
- In Case of Complete Power Loss From the Aircraft, It Has Rips Compatibility to Record Cockpit Sounds for An Additional 10 Minutes (Optional Feature).

General Features

- Compliant with ED-112A Standard
- ULB Compliant with SAE 8045A Standard
- 64 GB Memory
- Capable of Recording Voice and Data
- Ground Station Software
- Multiple Interface Support

Interfaces

- Audio Interface
- ARINC-429 Interface
- Serial Data Buses (RS-485)
- Discrete Input/Output (I/O) Interface
- Ethernet (10/100/1000 Mbps) Interface
- Dual Redundant MIL-STD-1553B Interface
- ARINC-664 Interface

Environmental Conditions

- Operating Temperature and Altitude: -55°C / +70°C, 45,000 ft
- Storage Temperature: -55°C / +85°C

Technical Specifications

- Power Input: 28 VDC (Nominal)
- Power Consumption: 25W (Nominal) / 40W (Maximum)
- Power storage for short power interruptions

Physical Characteristics

- Dimensions (HxWxD): 127 mm x 148 mm x 278 mm
- Weight: < 3.5 kg

Qualifications

- MIL-STD-810G
- MIL-STD-461F
- MIL-STD-704E
- DO-160G
- EUROCAE ED-112A

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