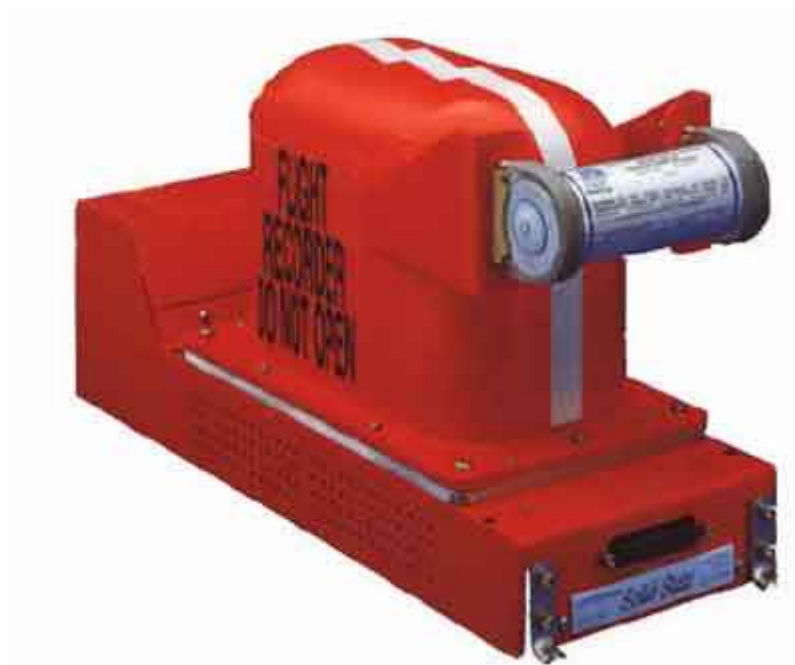


DINTELGID

UNIVERSAL AVIONICS CVR 30B FEATURES

- Recording times:
 - CVR-120: 120 minutes
 - CVR-30B: 30 minutes
- Voice stored in solid-state flash memory
- Seven recorded channels
 - 3 crew microphones
 - 1 area microphone
 - Helicopter rotor speed
 - GMT of FSK
 - Datalink
- ARINC 757/557 compatible
- Control Units Options
- Maintenance on condition yields lower cost of ownership
 - No requirement for periodic maintenance (excluding ULB)
 - 30,000-hour MTBF
- Three Year Warranty
- Test Set
 - Full manipulation and control of record and playback options.
 - Complete diagnostic capabilities.
 - Both individual channel and variable composite signal playback.



DINTELGID

SPECIFICATIONS:

PHYSICAL CHARACTERISTICS:

- Size: 1/2 Short ATR
- Weight: 13.0 lbs (5.85kg)
- Color: International Orange
- Connection:
 - ARINC characteristic 757 and 557
 - Connector: DPXB-57-34P-0101
 - Mating connector: DPXBNA-57M-33S-00
- Underwater Locator Beacon (ULB): battery life 6 years

POWER:

- Input:
 - 27vdc @ 0.5A
 - 115vac, 400hz @0.15A
- Consumption: 14 watts or 18 watts AC nominal

RECORDING CHARACTERISTICS:

- Medium: solid-state flash array
- Channels:
 - Audio:
 - § 3 crew microphone
 - § 1 area microphone
 - Other:
 - § 1 rotor speed
 - § 1 GMT or FSK time
 - § 1 Datalink (provision)
- Time: FSK analog mixed with channel 1 audio or ARINC 429
- Recording duration
 - CVR 30B: 30 minutes
 - CVR 120: 120 minutes
- FSK: supports 4193hz and 3607 hz mixed onto channel 1 (extra input channel)
- Nominal analog input level 1 VRMS
- Bulk Erase: fail-safe, double electrical interlock
- Recorded Audio Frequency Response:
 - 3 crew Mics: 0-30 min: 150 to 3500Hz
 - 1 area Mic: 0-30 min: 150 to 6000Hz
 - 3 crew Mics mixed: 30-120 min: 150 to 3500Hz
 - 1 area Mic: 30-120 min: 150 to 3500Hz
- Signal to Noise and distortion
 - 0-30 min: 55dB: 30-120 min: 33dB
- Audio Input Impedance: 5000 ohms each channel
- Analog Rotor Speed (main rotor)
 - 10-15,000Hz rotor tach. frequency
 - Voltage range: 2 to 122 Vrms
 - Input Impedance: approx. 200K ohms
- Playback
 - 6 channels of audio
 - FSK analog @ 1Vrms
 - Rotor speed analog @ 1Vrms
 - Impedance out: 100 ohms
 - BIIE status
- Monitor Output: Headphone jack: 600 ohms, 10mw
- Datalink: ARINC 429 (provision)
- GMT : ARINC 429 or FSK

DINTELGID

CONTROL UNITS SPECIFICATIONS

- Input:
- AGC: Fast reacting 30dB range, low distortion
- Audio Input Impedance: 20K ohms
- Audio Input Level: 3mv dual remote microphone input and summing
- Output:
- Output Impedance: 150 ohms
- Output Level: 500mV max, 330 mV nominal
- Audio Frequency Response: 150 to 10,000Hz
- Audio Gain: 6,12,24 dB step attenuation strapping
- Power: DC supply (from recorder unit) 15vdc @ 0.10A
- Lighting: 5 or 28vdc

MODEL, ARINC

- Size:
- Height: 2.25 inches (5.72cm)
- Width: 5.75 inches (14.6cm)
- Depth: 3.03 inches (7.70cm)
- Weight:
- 0.90 lbs (0.41kg)
- 1.0 lbs (0.45kg) with internal microphone
- Color: Gray or Black
- Connection:
- Receptacle: MS3112-20-41P
- Mating Connector: MS-3126-F20-41S

MODEL, SLIMLINE

- Size:
- Height: 1.50 inches (3.81cm)
- Width: 5.75 inches (14.6cm)
- Depth: 3.55 inches (9.02cm)
- Weight:
- 0.75 lbs (0.34kg)
- Color: Gray or Black
- Connection:
- Unit connector: DCC37P
- Mating Connector & Backshell: AMP 205561-2, AMP 206478-4

REMOTE MICROPHONE SPECIFICATIONS

- Size:
- Height: 1.04 inches (2.64cm)
- Width: 1.00 inches (2.54cm)
- Depth: 1.50 inches (3.81cm)
- Weight:
- 1.6 ounces (0.05kg)
- Color: Gray or Black
- Connection: shielded twisted pair pigtail.