CVFDR ACCESSORY SHEET Cockpit Area Microphone & Control Panel

The optional accessories for the 200 series cockpit voice and flight data recorder product line include a Cockpit Area Microphone, as well as a Cockpit Control Panel meeting all applicable ED-112A crash survivability system performance regulations.

The Cockpit Area Microphone is available either standalone, or centrally mounted within the Cockpit Control Panel.



COCKPIT CONTROL PANE



The Cockpit Control Panel is available in variants including:

- Standalone CVR
- Single CVFDR
- Dual CVFDR
- Standalone CVR with Internal CAM
- Single CVFDR with Internal CAM
- Dual CVFDR with Internal CAM

COCKPIT AREA MICROPHONE

	COCKPIT CONTROL PANEL	COCKPIT AREA MICROPHONE	
Dimensions	145.8mm (5.74") width, 28.3mm (1.15") height, 75mm (3.0") depth	28mm (1.1") width, 23mm (0.91") height, 52mm (2.1") depth	
Weight	Less than 400g (< 0.9 lb) with CAM Less than 300g (< 0.7 lb) without CAM	Less than 100 grams (standalone)	
Lighting	Backlit text legends, 0-28VDC variable control	N/A	
Mounting Type	DZUS Panel Mount	Qty 2x #8-32 fasteners or mounted within cockpit control panel	
Construction	Aluminium AMS QQ-A-200/8, ASTM-B221		
Finish	MIL-DTL-5541 Type II Class 3 on exposed and faying metal surfaces MIL-PRF-85285 Top Coat (Black)	MIL-DTL-5541 Type II Class 3 on exposed surfaces	
Power supply input	28 VDC nominal, 10 to 80 VDC, DO-160 CAT Z	N/A – powered from CVFDR	
Input Connector	M24308/24-9F	N/A – flying lead (two wire M27500 shielded twisted pair)	
Mating Connector	M24308/4-8F		
Operating Temperature (operating)	-20 to +50 degrees Celcius		
Operating Temperature (non-operating)	-55 to +85 degrees Celcius		
Operating Altitude	Up to 55,000 ft		
Environmental Qualification	RTCA DO-160G		
Design Assurance	RTCA DO-178C Level D		
Design Approvals	TSO-C123c, TSO-C124c as applicable		
Production Approvals	FAA TSOA, FAA 8130-3 Release		

Diagnostic Solutions International, LLC

ISO9001 & AS9100D Certified

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