

CVC-152, CVN-252, CCN-955

COBHAM

FliteLine™ Com / Nav Control Displays

Data Sheet

The most important thing we build is trust

CVC-152

Unique color LCD display capable of 8.33 or 25 kHz selection, active & standby frequencies along with NVG option. Displays command auto-tune frequencies.

Features:

- 8.33 - 25 kHz tuning, selectable
- 118.000 -136.975 MHz standard frequency range
- 118.000- 151.975 MHz extended frequency range
- LCD color display
- NVG compatible
- FliteLine control display
- Series III replacement display, no wiring changes
- Supports Collins - Gables 2 x 5 tuning interface
- FAA TSO-C113
- EASA ETSO-C113

CVN-252

Unique color LCD display, active and standby frequencies displayed along with Radial & bearing information selectable. NVG option available.

Features:

- LCD color display
- NVG compatible
- FliteLine control display
- Series III replacement display, no wiring changes
- Supports Collins- Gables 2x5 tuning interface
- FAA TSO-C113
- EASA ETSO-C113

CCN-955

Color LCD utilizes unique technology, combining Nav & Com tuning functions. This results in a 50% panel space savings along with the realized weight reduction. NVG option available.

Features:

- Multi-function provides both VHF Com & Nav tuning capability
- Saves 50% panel space compared to separate control displays
- Minimizes installation costs vs separate controls
- Weight savings vs separate displays
- LCD color display
- NVG compatible
- FliteLine Control Display
- Series III replacement, no wiring changes
- Supports Collins - Gables 2x5 tuning interface
- FAA TSO-C113
- EASA ETSO-C113



CVC-152
VHF COM Control Display



CVN-252
VHF NAV Control Display



CCN-955
COM / NAV Combined Control Displays

Technical Specifications:

Power Requirements (Lighting):	5.0 Vac, 5.0 Vdc & 28 Vdc
Power Consumption:	280 mA max.
Bezel Colours:	Black & gray
Weight:	0.77 lbs. (0.35 kg)
Dimensions:	
Width:	2.50 in. (63.5 mm)
Height:	3.15 in. (80.01 mm)
Length:	4.29 in. (108.97 mm) including connector
Altitude:	55,000 feet (16,764 m)
Temperature:	-4°F to +158°F (-20°C to + 55°C)

For further information please contact:

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CDM-451, DFS 43A

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FliteLine™ Navigation Systems

Data Sheet

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CDM-451 Distance Measuring System:

The CDM-451 is an all digital DME. The triple channel scanning DME provides ARINC 429 outputs along with analog outputs for two displays or EFIS MFD's. The CDM-451 transceiver is compatible with FMS systems to include auto-tune operation. The third output channel can also provide single DME output to the FMS for independent navigation solution. The receiver can be tuned via ARINC 429 bus using individual CVN-252 nav Control Displays, the Series III RMS 555 Radio Management System, or with Flight Management Systems.

Features:

- Simultaneous scanning of three ground stations
- 325 Watt transmitter
- Continuous self-test
- Increased built-in diagnostics
- ARINC429 Digital Data Bus interface
- Analog outputs
- Burst mole timing options
- New FliteLine CVN-252 color Control Display
- 50% volume and weight savings compared to Series III DM-441B
- Can use mounting tray and wiring from Series III DM-441B



CDM-451 Technical Specifications:

Certification:	FAA TSO: C66C, EASA ETSO: 2C66b, MOPS RTCA: DO-189, MOPS EUROCAE: ED-54
Environmental,:	RTCA: DO-160D, EUROCAE: ED14D
Power Requirements:	27.5 Vdc aircraft power (+/- 20%)
Current Requirements:	1.2 A max.
Weight:	3.6 lbs. (1.63 kg)
Temperature:	-67 F to +185 F (-55 C to + 70 C)
Altitude:	55,000 feet (16,764 m)
Dimensions:	
Width:	2.40 in. (60.96 mm)
Height:	4.00 in. (101.60 mm)
Length:	12.95 in. (328.93 mm)

DFS 43A Direction Finder System:

The DFS 43A Automatic Direction Finder is an all-digital system designed to provide ADF navigation reception from non-directional beacons (NDB), locator outer markers (LOM), and commercial AM broadcast stations. Through microprocessor-controlled signal processing and a self-calibration routine, the DFS 43A system ensures the accuracy of displayed ADF information. The DF-431B receiver unit can be tuned via ARINC 429 digital data bus, individual control units, the Series III RMS 555 Radio Management System, or with Flight Management Systems. The AT-434A combined sense/loop antenna is designed specifically for use with the DF-431B receiver. Streamlined in shape to reduce drag, the antenna provides superior signal reception throughout all modes of DFS 43A system operation.

Features:

- Left/right steering guidance to/from NDB
- Autopilot interface
- Half or whole kHz channel spacing
- Specially designed loop/sense antenna
- Optional stand-alone control head (CDF-552)
- Continuous self-test
- Built-in diagnostics
- ARINC 429 Digital Data Bus
- Improved station overfly sensitivity



DFS 43A Technical Specifications:

Certification:	FAA TSO: C41c
Power Requirements:	27.5 Vdc aircraft power (+/- 20%)
Current Requirements:	0.6 A max.
Weight:	5.64 lbs. (2.56 kg)
Temperature:	-67 F to +185 F (-55 C to + 70 C)
Altitude:	55,000 feet (16,764 m)
Frequency Range:	190.0-1860 kHz and 2181 kHz (.5 kHz spacing)
Dimensions:	
Width:	4.10 in. (104.14 mm)
Height:	4.00 in. (101.60 mm)
Length:	13.33 in. (338.58 mm)