





## The LCD Solution To Replace Aging CRT Displays

# **CMA-6800 DISPLAY**

## **6.5" DISPLAY HEAD ASSEMBLY**

 Size (H x W x L)	5 x 6 x 10.5 inches
 Projected MTBF	15,000 hrs
 Certification	TSO-C113a

### **HIGH MTBF**

Greatly reduced maintenance costs

### **REDUCED WEIGHT & POWER CONSUMPTION**

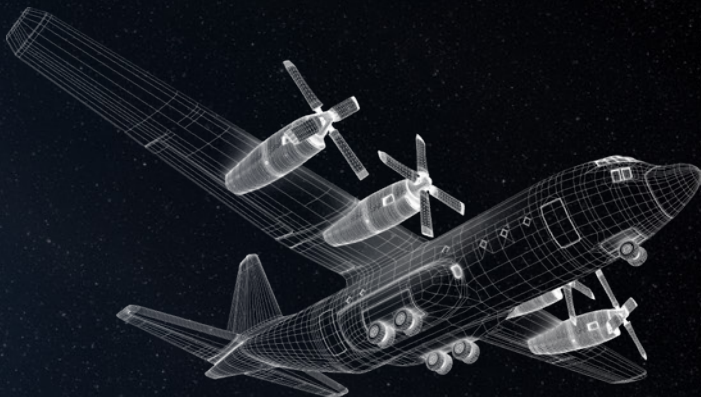
### **TRANSPARENT COCKPIT OPERATION**

Zero aircrew re-training

### **ELIMINATES OBSOLESCENCE THREAT**

### **ADDITIONAL I/O & PROCESSOR GROWTH PROVISIONS FOR FUTURE MANDATES**

### **AVAILABLE IN BLACK OR GREY BEZEL COLOURS**



### **FORM-FIT-FUNCTION REPLACEMENT**

The CMA-6800 is a form-fit-function replacement for the Honeywell ED-800 CRT displays on a number of aircraft, with a modern LCD display using LED backlight. The display replicates the functionality of the CRT display with greater reliability, thus reducing overall cost of ownership. It has hardware built-in provisions for growth for additional display capability, both through an internal CPU and additional interfaces.

### **2 MAIN ELECTRONIC FLIGHT INDICATOR SYSTEM (EFIS) USES: EADI & EHSI**

**EADI** (Electronic Attitude Direction Indicator), to be installed with inclinometer kit, sold separately.

**EHSI** (Electronic Horizontal Situation Indicator).

Usage as a MFD (Multi function display) is also available for some platforms.

### **COST-EFFECTIVE SOLUTION**

This solution retains the use of existing symbol generators (and display formats/symbology), the existing EFIS controllers and related EFIS select panels. The CMC CMA-6800 is a cost-effective solution, compared to an expensive full cockpit upgrade, with minimal down time required to perform the conversion.

### **CERTIFICATION**

The CMA-6800 AMLCD display is certified to TSO-C113a - Airborne Multipurpose Electronic Displays.



**MODERNIZE WITHOUT MODIFICATION —  
FORM-FIT-FUNCTION REPLACEMENT DELIVERING HIGHER RELIABILITY,  
LOWER OPERATING COSTS, AND ZERO CREW RETRAINING**

## SPECIFICATIONS

Qualification Test	DO-160G Section	Category
Sand & Dust	12	X
Fungus Resistance	13	F
Salt Fog	14	X
Magnetic Effect	15	Z
Power Input	16	AXX
Voltage Spike	17	A
Audio Frequency Conducted Susceptibility Power Inputs	18	R
Induced Signal Susceptibility	19	ZC
Radio Frequency Susceptibility	20	WD
Lightning Induced Transient Susceptibility	22	A3J3L3
Lightning Direct Effects	23	X
Icing	24	X
Electrostatic Discharge	25	A
Fire Flammability	26	C

Qualification Test	DO-160G Section	Category
Temperature and Altitude	4	A1F1
Low Operating Temperature	4.5.2	-20°C
Low Short-Term Operating Temperature	4.5.1	-40°C
High Short-Term Operating Temperature	4.5.3	+70°C
High Operating Temperature	4.5.4	+55°C
Loss Of Cooling Test	4.5.5	X
Ground Survival Low Temperature	4.5.1	-55°C
Ground Survival High Temperature	4.5.3	+85°C
Altitude	4.6.1	55,000 ft
Decompression Test	4.6.2	55,000 ft
Overpressure Test	4.6.3	-15,000 ft
Temperature Change Rate	5	C
Humidity	6	A
Operational Shocks and Crash Safety	7	B
Vibration	8	S(BB3)
Explosion Proofness	9	X
Waterproofness	10	X
Fluids Susceptibility	11	F

## GENERAL SPECIFICATIONS

Model	CMA-6800
Part Number	100-604045-VAR
Size (H x W x L)	5 x 6 x 10.5 inches
Power Consumption	< 30 Watts (< 50 Watts with heater on)
Weight	< 6 lb
Projected MTBF	15,000 hrs
Contrast	<300:1 at normal incidence under low ambient lighting conditions
Viewing angle	+/- 60 degrees horizontal and +50/-15 degrees vertical at contrast ratio > 20:1
Luminance	120 fL
Resolution	1024 x 768 / 196 DPI

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+1 (514) 748-3000  
cmc.sales@cmcelectronics.ca  
600 boul. Dr-Frederik-Philips Montreal, Québec, Canada H4M 2S9

