



**Astronautics Corporation of America**

## **ENGINE INSTRUMENT & CAUTION ADVISORY SYSTEM DISPLAY (EICAS)**

**EICAS**

The Engine Instrument System Display is VGA quality, low power, sun-light readable, NVG compatible with exceptional reliability. Modular, solid state construction makes it readily adaptable to a wide range of I/O. Large non-volatile memory storage capacity with easy direct downloading simplifies the transfer of engine performance information to the maintenance records. A separate serial test port can be used to easily amend scales, parameters or other features on the display to meet changed requirements. When two displays are installed, a cross-talk channel provides complete redundancy.



The EICAS family of displays provide a mature, integrated display system for accurate propulsion system information and caution advisory awareness for virtually any airborne application.

### ***Astronautics EICAS features include:***

- FADEC digital interface configuration
- Non-FADEC analog interface configuration
- Multiple I/O (ARINC-429, Analog, Discrete, RS-422)
- High resolution, color display
- Flexible configurations
- Certified and delivered for fixed and rotary wing applications
- Programmable display with "Smart Symbols" and "Smart I/O"
- Embedded software libraries
- Active Matrix Liquid Crystal Display technology
- Preheat switch optional
- NVIS compatibility optional
- PCMCIA Type II (optional) for Maintenance to download Engine Monitoring System Information

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## EICAS PERFORMANCE

Viewable Area	5.1" x 3.8"
Processor	Pentium
Typical Interfaces Available	ARINC 429, Discrete, Analog, RS-422, Thermocouple, Synchro PCMCIA Type II
Resolution	640 x 480
Viewing Angle	+45° Horizontal +30° Up, -10° Down
Brightness	150 FL

## CERTIFICATION

Certification	DO-160C, DO-178B Level A
TSO	TSO-C113, TSO-C43b, TSO-47a
Operating Temperature	-40°C to +70°C (+83° intermittent, 30 minutes)

## PHYSICAL CHARACTERISTICS

Physical Size	8.0" x 5.5" x 8.0" (7.5" x 6.0" x 8.0" with PCMCIA)
Power	28VDC, 40W nominal (100W with heater)
Weight	8 lbs Max.
BIT	Built In Test
MultiFunction Keys	5 programmable softkeys, plus 2 for brightness and 1 day/night
MTBF	10,000 hours

For more information on this or any of our other products/systems please contact:  
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***A World Leader in Navigation and Display Systems since 1959***

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