



## **AIRCRAFT ELECTRONIC FLIGHT INSTRUMENT SYSTEM (EFIS) TRAINER**

The basic EFIS Trainer consists of:

- Two Display Units
- Symbol Generator
- Control Panel
- Signal Simulator
- Fault Panel

Electronic displays are multi mode with ADI, HSI and Map modes. Map mode allows for superposition of Weather Radar data and sector display.

Interconnection by ARINC429. All aircraft system components are approved to FAA TSO standards or approved by STC for installation in at least one aircraft type.

The signal simulator supplied with test panels, patching panels, harnesses, computer controlled simulator and means of navigation data entry so as to allow demonstration of typical dynamic displays and full testing of system. A commercially available test set or, alternatively, a custom built 19 inch panel is supplied.

The fault panel allows for the simulation of typical aircraft EFIS installation faults including sensor feed faults (from simulator panel). The faults are easy to select but not apparent to the student. A numbered switch panel or patching panel with cover is provided.

The system is powered by 28VDC. If AC is required then an inverter is included. Maintenance manuals are supplied for all the equipment. Interconnect diagrams and panel circuit and layout diagrams are also provided.

Wiring harnesses is representative of aircraft standards in hardware and wiring/looming techniques.

Courseware covers student exercises in:

- Interconnect Checkout
- Functional Check
- Troubleshooting

The courseware consists of procedures, explanation and result sheets.

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