

# DU7000 TEST SET

## DU7000 Avionics Display Bench Tester – TEA112 Setting the Standard in Avionics and Special Display Systems

The DU7000 Integrated Display Unit (IDU) can consume a significant amount of time on the Automatic Test Equipment (ATE), especially during initial trouble-shooting and setup procedures. In addition, many Boeing 747-400 Airline Operators and MROs with ITS700 ATE are faced with insufficient capacity. This causes many Airlines and MROs to operate more shifts, or purchase additional ATE significantly increasing costs.

### Cost-effective Solution

The TEA112 DU7000 Bench Tester has been designed to address this issue. It can operate the IDU independently of the ATE and allow many of these time-consuming tasks to be carried out separately. This results in the load on the ATE being reduced, thus saving an Airline or MRO from purchasing additional ATEs or operating additional shifts.

### Multi-functional Designed Tester

The TEA112 DU7000 test set has been designed to interrogate and utilise all key inbuilt functions of the DU7000 avionic display, while providing a general platform for testing. Simple panel-mounted controls allow the tester to invoke and monitor commands to the DU7000 display unit through command test pages. Power line interruption and powering up sequences are handled in the same manner as in real flight operations.

### Low-cost Alternative for B747-400 operators

The TEA112 allows trouble shooting and pre-setup to be done before testing is commenced on the ATE. This enables DU7000 operators to free up their ITS700 ATE bench for return to service testing.



TEA112 DU7000 Bench Tester



DU7000 Primary Flight Display

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### **Features**

- Long or short (cold/warm) power interrupt generation.
- Vertical / horizontal convergence adjustment.
- Automatically switched convergence.
- 31 page align or burn in selection.
- Brightness, balance and RLS analogue source (ADC testing).
- Independent inbuilt fan control.
- Forced-air cooling for IDU.

### **General Specifications**

- Enclosure 3U high 19" rack case
- Power 240V 50Hz or 110V 60Hz IEC socket configurable  
Requires separate 110V 400Hz supply

### **Applications**

- Operates LRU Part No. 622-8588-105

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