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**Product Name :**  
Aircraft Navigation Systems Trainer

**Product Code :**  
LBNY-0005-20100014



#### **Description :**

The trainer includes secondary radar equipment, and radio navigation equipment. The may be upgraded with the optional feature to include satellite navigation(GPS). The Aircraft Navigation Systems Trainer consists of fully functional aircraft navigational equipment used in a typical general aviation aircraft. The trainer is a realistic mock-up of aircraft navigational systems with functions and capabilities that facilitate the following aspects of hands-on training:

Test the equipment using simulated navigation/flight data in compliance with standard technical procedures. The emphasis in design is to allow the students gain hands-on experience.

Conduct practical training for flight line tasks like physical removal, installation, operation, and maintenance testing by using ramp tester.

Perform diagnostic testing as done in an avionics maintenance shop, using real time navigation transmission and reception with aDME/Transponder bench test set.

#### **Technical Specification :**

##### **Secondary Radar Training:**

The DME and Transponder are the secondary radars used for navigation and identification. The contains both equipment.

**Distance Measuring Equipment (DME):**

The 200-channel receiver can be either digitally channeled through NAV receiver or can be tuned directly with frequency control knobs. The DME uses a single crystal digital frequency synthesizer. The panel-mounted DME has digital readout which displays aircrafts distance to the selected ground station, ground speed, and time-to-station.



**Laboratory Instrument India**