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Product Name :
Aircraft ADI And HSI System Trainer

Product Code :
LBNY-0005-20100015



Description :

The Attitude Director Indicator (ADI) provides a consolidated and easy-to-read display of aircraft roll and pitch attitudes and command bugs. The Horizontal Situation Indicator (HSI) to provide a consolidated display to a pilot for more efficient cockpit resource management. All modern military and commercial aircraft are equipped with autopilots for automatic flight control, and Horizontal Situation Indicator (HSI) for navigational information presentation to the pilot. All wire harnesses are routed through terminal strips to enable students to measure and monitor electrical signals, and to troubleshoot the instructor induced faults. The equipment is mounted on a mobile workstation containing Horizontal Situation Indicator, with bootstrap Directional Gyro, Flux Valve, Slaving Accessory, ADI, and a simulator box to generate all other required signals needed by the system.

Functional Description:

Magnetic Heading and course information from VOR/LOC, and GPS is combined on the HSI. Remote mounted compass system consisting of Pictorial Navigation Indicator, Remote Directional Gyro, Magnetic Azimuth Transmitter, simulated NAV signals unit, and Slaving Accessory. The ADI system comprises of vacuum driven attitude gyros, and simulated autopilot deviation signal unit. The HSI also provides outputs for autopilot or flight director, OR receivers, and additional compass loads. The HSI provides a pictorial display of the horizontal navigation situation and also provides manual controls for course and heading datum selection. It includes dual glide-slope pointers which are in view during a simulated ILS approach.

Features:

- Durable, metal frame with sturdy casters
- Control Yoke operated roll, pitch, and yaw simulation
- Installed units are actual aircraft equipment
- Fault insertion module

Simulated NAV inputs
Interface trainers
CBT included.

Technical Specification :

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Laboratory Instrument India