

Analogue Cockpit Instrumentation System Trainer



Model CBT-100E



Aircraft Analogue Cockpit Instrument Training Set(CBT-100E) is a complete and fully functional simulation of typical aircraft analogue cockpit. It includes essential flight, engine and pitot-static instruments. This training set provides hands-on maintenance training while also functioning as a demonstration tool for instructors. It demonstrates the principles of gyros, altimeter and the engine instruments, and also can be used for teaching of instrument removal and replacement.

NOTE: The trainer can be customized with sensors and indicators according to your training needs. Please contact us for your special requests.

NOTE: Please check CBT-100A and CBT-100B model if you are looking for trainer with PFD/MFD.

This trainer also allows to perform practical tasks of EASA PART 147 ATA-31-00-00.

Specifications

Features

- The system combine “Cockpit analog flight instrumentation” and “engine instrumentation”.
- Three degrees of freedom instrument panel permits full demonstration of attitude and directional gyro functions.
- Functional engine instrumentation system be connected to engine sensors.
- All analog instruments operate manually
- Primary flight display be mounted on a panel that can simulate roll, pitch, and yaw movements controlled by a mechanism operated by a control yoke.
- Provision of engine sensor simulation.
- Pitot-static system.
- Instructor’s Panel for fault insertion.

Components

- **Analog instruments**
 - Attitude Gyro and Indicator
 - Directional Gyro / Heading Indicator
 - Airspeed Indicator
 - Altimeter
 - Vertical(Upload speed) Speed Indicator
 - Turn and Slip Indicator
 - Fuel Temp/Press Indicator
 - Oil Temp/Press Indicators
 - Fuel Level Indicator
 - MAP

- **Sensors**
 - Oil Temperature Sensor
 - Manifold Pressure Sensor
 - Fuel Level Sensor
 - Oil Pressure Sensor
 - Fuel Pressure Sensor
 - Engine RPM Sensor
 - Ammeter Shunt
 - Pitot Tube
 - Static Port
- **Aircraft circuit breakers.**
- **Throttle Lever**
- **Pitot-Static System:**
 - Pitot Tube
 - Fuselage Static Port
 - Alternate Static Port
 - Static Source Selector Switch
 - Two Test Ports for Pitot-Static Test Set
- **Power**
 - Main Power
 - Tachometer
 - Turn&Slip
 - Vacuum Pump

Example ATA Chapters

- 31-10-00 Instrument & Control Panels
- 31-20-00 Independent Instruments

Documentation

- User's Manual
- Study Guide
- Instructor's Guide
- Device's original Manual
- Components Diagrams

Power Specs

- Electrical box
- Residual current device
- Emergency Button
- Energy Signal Lamp
- 110 VAC 60 Hz or 220-240 VAC 50 Hz