



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Aircraft Electrical System Trainer

**Product Code :**  
LBNY-0005-2000007



#### **Description :**

The system is laid out to depict a typical aircraft electrical system, and contains standard aircraft components and wiring. This is a complete functional simulation of a dual-engine 28 V DC electrical system of a typical turbine aircraft. The aircraft electrical system trainer is an ideal resource to teach about an aircraft multi engine electrical system. By using this trainer, students not only learn the functionality of each component, but they also develop logical and systematic approach to perform troubleshooting tasks.

#### **Technical Specification :**

**Generator:**

Aircraft DC generator rated 28 VDC at the rate 40A/ 50A at 3600 rpm, driven by 230 VAC/50 Hz Motor.

**Battery:**

Aircraft sealed, 24V battery

**Starters:**

Aircraft Starter 24 VDC

**Generator Controls:**

Electronic Controlled Generator Build-up

Reverse Current Protection

Paralleling /Equalizing

GCU induced Over Voltage (OV) Protected

Voltage Regulation: 28.4V + 0.4V

Max Field Current: 3A.

Electronic Field Controller/Switching

Current Limiter.

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AC Power:

Two Static Inverters, each rated 50VA minimum.

Two Auxiliary Bus-bars 28VDC

No.1 Generator Bus-bar 28VDC

No.2 Generator Bus-bar 28VDC

Ground Bus-bar

Battery Bus-bar.



**Laboratory Instrument India**