



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Ice And Rain Protection And Control System Trainer

**Product Code :**  
LBNY-0005-2000005



#### **Description :**

This fully functional trainer incorporates a pneumatic wing de-ice system using a vacuum/pressure ejector boot control valve and pressure switches. An electric motor driven vacuum pump provides system pressure and suction. The Aircraft Ice & Rain Protection and Control System Trainer incorporate all aspects of de-icing and rain protection system found in an aircraft. Propeller deicing is done with an electrically heated propeller boot. A timer control operates the cycle of the propeller de-ice system. Windshield heating is done through internally built heating elements. The trainer offers the opportunity to the students to physically see the various components and assemblies of the system and to understand the interaction between them.

#### **System Features:**

Aircraft components and assemblies

Six separate sub-systems

Actuator

Wiper Arm and Wiper Blade

Windshield Heating System

Windshield Wiper System

Windscreen Wiper

Motor

Windshield with heating elements

Temperature Control Thermostat

Sprayer

Flow regulator

Pitot Tube with electrical heating elements

Windshield De-Icing (Alcohol Dispensing)

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Alcohol Tank  
Alcohol Pump  
Propeller De-Icing System  
Prop Slip Ring  
Ammeter  
De-ice Indicator  
Electrically Heated  
De-Ice Timer  
Brush Block  
Propeller Blade with De-ice Boot  
Regulator valve  
Suction Gauge  
Pneumatic De-Ice Boot System  
Vacuum pump  
Filter assembly  
Control valve  
Boot Pressure Gauge.

**Technical Specification :**

Ice And Rain Protection And Control System Trainer



**Laboratory Instrument India**