



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Chiller Units Training Bench with Industrial PLC Controller

**Product Code :**  
LBNY-0005-1410008



#### **Description :**

##### **Experiments:**

Study and understanding of the operation of a chiller unit  
Detecting the system operating parameters  
Plotting of the refrigerant cycle on a pressure-enthalpy diagram of the refrigerant gas  
On-off control of the cooled water temperature  
Plant start-up and system monitoring using the incorporated protection and safety devices  
Calculation of thermal balances for the refrigerant and water circuit  
Safety control using the high and low pressure switch and flow switch.

##### **Technical Specification :**

Water circuit including:  
Flow switch  
Centrifugal pump  
Air heat exchanger  
Refrigeration circuit equipped with:  
High and low pressure gauges  
Thermostatic expansion valve  
Dehydrator Filter and sight glass  
Hermetic compressor with protector  
Forced air condenser  
Double pressure switch  
Valve for plant vacuum, refrigerant charging and recovery

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Water evaporator  
Liquid receiver and liquid separator.



**Laboratory Instrument India**