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**Product Name :**  
Refrigeration Trainer

**Product Code :**  
LBNY-0005-11200066



#### **Description :**

Instruments are provided for measurement of temperatures, pressures and cooling water flow rates. The Refrigeration Trainer system requires outside water supply. A table top Refrigeration Trainer system is used to investigate energy balance at compressor, condenser and evaporator. Both the condenser and evaporator used water cooled heat exchangers.

#### **Experiments:**

Overall heat transfer coefficients for evaporator and condenser.  
Familiarization with refrigeration cycle and components.  
Effects of load variation.  
Energy balances at evaporator and condenser.

#### **Technical Specification :**

##### **Technical Data:**

Condenser and evaporator : Co-axial coil.  
Compressor : 0.37 kW.  
Measuring instruments :  
Pressure gauges.  
Water rotameters : 2 ea.  
Temperatures digital display.  
Power supply : 220V 1Ph 50Hz.



**Laboratory Instrument India**