

**Product Name :**  
Electrolux Refrigerator Test Rig

**Product Code :**  
EEZ0047



**Description :**

Electrolux Refrigerator Test Rig

**Technical Specification :**

Electrolux Refrigerator Test Rig

The set up demonstrates the students about the basic principal of a vapour absorption refrigeration cycle. The test rig is designed for the study of thermodynamics of vapour absorption refrigeration cycle by measuring temperature at different position.

**Experimentation:**

- To Calculate Co-efficient of performance.

## Utilities Required :

- Electric Supply : Single Phase, 220 V AC, 50 Hz, 5-15 Amp. combined socket with earth connection.
- Bench Area : 1.5 m x 1m

## Technical Details :

**Sealed Circuit** has no moving parts at all, which makes it Silent and very durable.

**Refrigerant** three fluid system Ammonia(NH3) + Water (H2O) + hydrogen (H2)

**Gases** SEC, Non –HCFC, Non–FCKW, Non –Freon

**Heating System** by electric resistance

**Evaporator** evaporator with facility to determine performance efficiency ratio (PER)

**Volume of Cabinet** Input –65 Watts, Electrical Consumption/24 Hrs. –0.8 kWh, Auto Defrost Fuzzy Logic System, Voltage

**Temperature Sensor**

**Digital Voltmeter**

**Digital Ammeter**

**Digital Temperature Measurement** with multi-channel switch.

**Instruction Manual** Instruction manual will be provided along with the Apparatus

## Electrical and Electronics

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