

## Electrolux Refrigerator Test Rig



**Product Categories:** [Engineering Equipment](#), [Refrigeration & Air Conditioning Lab](#)

**Product Page:** <https://www.labappara.com/product/electrolux-refrigerator-test-rig/>

### Product Description

#### Electrolux Refrigerator Test Rig

##### **Description:**

The set up demonstrates the students about the basic principal of a refrigeration cycle.

The test rig is designed for the study of thermodynamics of vapour Compression refrigeration cycle by way of demonstration and experimentation.

It has a facility to measure various parameters for experimentation.

##### Technical Details :

- |                   |   |
|-------------------|---|
| Sealed Circuit    | : The System has no moving parts at all, which makes it Silent and very durable.                                  |
| Refrigerant       | : Mixture of three fluid system Ammonia(NH <sub>3</sub> ) + Water (H <sub>2</sub> O) + hydrogen (H <sub>2</sub> ) |
| Gases             | : Non-CEC, Non -HCFC, Non-FCKW, Non -Freon  |
| Mode of System    | : Externally heated by electric resistance  |
| Evaporator        | : Coil Type evaporator with facility to determine performance efficiency ratio (PER)                              |
| Volume of Cabinet | : 41 Ltrs., Voltage Input -65 Watts, Electrical   |

Consumption/24

Hrs. -0.8 kWh, Auto Defrost

Fuzzy Logic System, Voltage

Temperature Sensor : RTD PT-100 Type.

Digital Voltmeter : 0-300 V

Digital Ammeter : 0-5 Amp.

Temperature Measurement : Digital Temperature Indicator with multi-channel switch.