

## Ice Plant Trainer



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

**Product Page:** <https://www.labappara.com/product/ice-plant-trainer/>

### Product Description

#### Ice Plant Trainer

#### **Description:**

The unit enables the students to study the Basic Principles of ice plant cycle within a short period. The test rig is designed for the study of thermodynamics of vapor Compression refrigeration cycle by way of demonstration and experimentation. It has a facility to measure various parameters for experimentation. Ice cans are kept in liquid tank, which is cooled by the refrigerant evaporator. As conventional ice plants take 12-24 hours to complete the cycle, this ice plant is specially designed to demonstrate process of ice formation to be complete within period of 4 hours and hence it is most suitable for laboratory use.

#### **Features:**

Highly durable

Customization available

Optimum quality

#### Specification:

Compressor: Hermetically sealed compressor.

Tank : The inner tank shall be fabricated out of stainless steel.

Condenser : Air cooled compatible to compressor.

Condenser Cooling fan : Compatible capacity with permanent lubricated motor.

Evaporator: Made of Stainless Steel, Insulated with ceramic wool/puf.

Expansion Device: Capillary Tube Compatible capacity.

Pressure Gauges: 2 Nos.

Safety Control: overload and over current protectors for compressor and Time delay circuit.

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.