

## SHM-02 NATURAL COOLING TOWER



### **RANGE OF EXPERIMENTS TO BE CARRIED OUT:**

1. To determine the cooling efficiency of Cooling Tower.
2. To calculate cooling rate.

### **TECHNICAL DESCRIPTION :**

In a present cooling tower, series of fins arranged from top to bottom in such number that, water is sprayed/dropped at the top & it drips/falls down from top to fin to the bottom fin. Fins provide maximum surface area to cool the water. Temperature at inlet & outlet can be measured with the help of sensors & digital temperature indicator. This is a typical Natural Cooling Tower & is widely used in small scale units. Its maintenance cost is also negligible. Flow Rate of water measured by using rotameter.

### **DIMENSIONS AND WEIGHT :**

Size :1.5 m.(L)x 1.5 m(W) X 2m ( H )

Weight :Approx. 120 Kg

**SERVICE REQUIRED :** 440 v Ac Supply 50 Hz

### **SCOPE OF DELIVERY:**

1. Experimental Setup
2. Instructional Manual

**OPTIONAL FACILITY:** Data logging Facility