

## HT-009 SPECIFIC HEAT OF AIR APPARATUS.



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

1. To calculate specific heat of air.
2. The experiments can be conducted at various values of input & calculation can be made accordingly.

### **TECHNICAL DESCRIPTION**

The apparatus consists of Blower unit fitted with a test pipe And Dehumidification Assembly. The test section is surrounded by Nichrome band heater. Thermocouples are fixed on the test section also in the air stream at the entrance & exit of the test section to measure the temperature. Test pipe is connected to the delivery side of the blower along with an orifice to measure flow of air through pipe Auto transformer is provided for varying the input to the heater & measurement of input is carried out by a voltmeter, ammeter

### **DIMENSIONS AND WEIGHT :**

Size :1.5 m.(L)x 1.0 m(W) X 1.5m ( H )

Weight :Approx. 65 Kg

### **SERVICE REQUIRED :**

230 v Ac Supply 50 Hz

### **SCOPE OF DELIVERY:**

1. Experimental Setup
2. Instructional Manual

**OPTIONAL FACILITY:** Data logging Facility