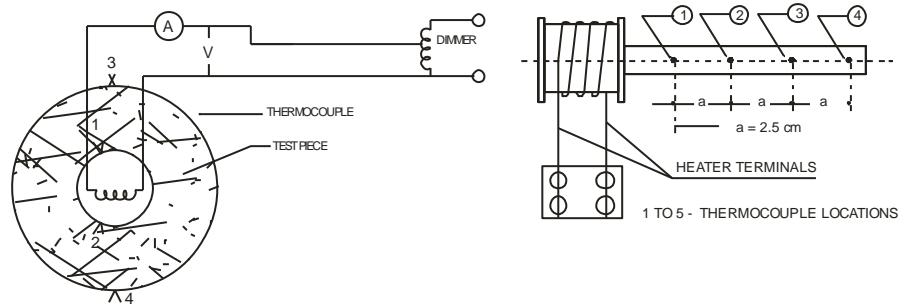


HT-005 HEAT CONDUCTION APPARATUS



RANGE OF EXPERIMENTS TO BE CARRIED OUT :

1. To observe radial & axial flow heat conduction
2. To determine Radial & Axial thermal conductivity of test specimen .
3. To observe and plot the temperature distribution along the length of the specimen.
4. The experiments can be conducted at various values of input & calculation can be made accordingly.
5. To plot Heat input Vs thermal conductivity.

TECHNICAL DESCRIPTION :

The apparatus consists of Axial and Radial Flow Unit with common Heater. Auto transformer is provided for varying the input to the heater & measurement of input is carried out by a voltmeter, ammeter.

Thermocouples are fixed on surface of specimens

The experiments can be conducted at various values of input & calculation can be made accordingly.

DIMENSIONS AND WEIGHT :

Size : 1.5 m.(L) x 1.0 m(W) X 0.7m (H) , Table Top

Weight : Approx. 70 Kg

SERVICE REQUIRED : 230 v Ac Supply 50 Hz

SCOPE OF DELIVERY:

1. Experimental Setup
2. Instructional Manual

OPTIONAL FACILITY: Data logging Facility