

**HT-015 CRITICAL HEAT FLUX APPARATUS**



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

1. To determine the critical heat flux at different bath temperatures
2. To plot the graph of Critical Heat Flux with respective Bath Temperature.

**TECHNICAL DESCRIPTION :**

It consists of a glass water bath with an immersed heating coil in it. Two electrodes are fixed to the lid of water bath while, the ends of these electrodes produced in to the water. A Thin Nichrome wire is connected between the ends of the electrodes. The electrodes are connected to the mains through a auto transformer . A Voltmeter and an Ammeter are provided to measure the volt and current supplied to the electrode.

**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 ,Water : 1 ltr

**WEIGHT : @ 55 Kg**

**SCOPE OF DELIVERY:**

1. Experimental Setup
2. Instructional Manual

**OPTIONAL FACILITY:** Data logging Facility