

Product Name :
CRITICAL HEAT FLUX APPARATUS

Product Code :
NLAB-MECHANICALAB190002



Description :

CRITICAL HEAT FLUX APPARATUS

Technical Specification :

DESCRIPTION:-

The unit consists of a cylindrical glass container containing distilled water. Heating surface is in the form of a Nichrome heating wire completely submerged in the water. Thermometers are provided to measure the temperature of water in the container.

SPECIFICATION:-

- Glass Container - Dia. 250mm & Height 100mm
- Voltmeter - 0 - 300 V
- Ammeter - 0 - 5 A
- Dimmerstat - 10 amp

- Heater (For water Heating) - Nichrome Type.
- Length of the Test Heater wire - 100mm
- Thermometer - 0 - 100 °C

FEATURES:-

- Pool boiling phenomenon can be studied at atmospheric pressure.
- Ideal for group studies & demonstration for boiling regions up to critical heat flux conditions.
- A range of experiments can be performed with varying degree of sub cooling.

SERVICE REQUIRED:-

- Suitable bench area to mount the instrument.
- 15 amps, Single Phase A.C. supply with earthing connection

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