



The apparatus consists of a pair of M.S. plates, Bakelite, brass/aluminum. These plates in series on either side of the heater form a composite wall. The whole unit is clamped in a frame, which can be viewed through the Perspex sheet. The thermocouple tapings enables us to find out the conductivity and resistance of the composite walls.

SPECIFICATIONS:

1. Heater- Mica heater of dia. 250 mm.
2. Plates-
 - a) M.S. plates of thickness 25mm & dia. 250mm.-2 nos.
 - b) Bakelite plates of thickness 10mm & dia. 250mm.-2 nos.
 - c) Brass/Aluminum plates of thickness 15mm & dia. 250mm.-2nos
3. Dimmerstat - 2 A capacity.
4. Measurements ---
 - a) voltmeter and an Ammeter to measure input power.
 - b) Multichannel digital temperature indicator to measure temperatures at- various points.

A technical manual accompanies the unit.

SERVICES REQUIRED:

- 230 V, A.C. stabilized supply along with earthing connection.
- Bench area 1m x 1m x 0.5m height

Note: Specifications are subject to change.

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