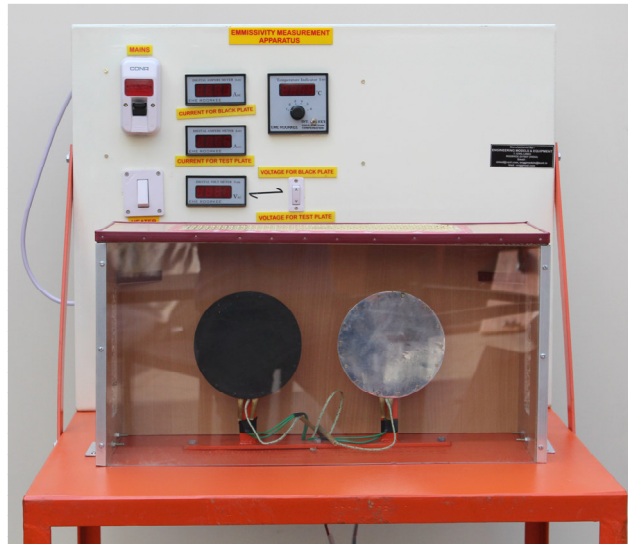


MODEL NO.  
HMT- 04



## EMISSION MEASUREMENT APPARATUS

### Description:

- ❖ Apparatus primarily consists of two square plates, one coated black and other has a rough surface. Both the plates are heated from the backside using electric heater.
- ❖ The plates are placed inside an enclosure to decrease convective losses and provide equal losses from both the plates. The heat input to both the plates are controlled using two separate variacs and are measured by digital Volt and Ammeter.
- ❖ The temperature of the plates are measured by thermocouples.
- ❖ The ambient temperature is also measured by thermocouple placed inside the chamber.

### Experimental Capabilities:

- ❖ To determine the mean emissivity of a copper plate at different temperature.

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