

PREMIER'S TEST CORNER

Premier's Test Corner is used to check the temperature distribution caused by operating the appliance continuously and to check if there is any abnormal heating which might be dangerous to the user. It consists of wooden walls at 4 positions- Top (Ceiling), Left (Wall), Back (Wall), and Bottom (Floor)



WOODEN TEST CORNER

MODEL : PE 9900-TC



Dull black-painted plywood approximately 20 mm thick is used for the test corner.

Thermocouples having wires with a diameter not exceeding 0.3 mm are used to sense the temperature (also called as fine-wire thermocouples). These thermocouple sensors are attached to the back of blackened disks of copper, 15 mm in diameter and 1 mm thick.

These sensors are positioned at every 100 mm on the walls, ceilings and floor of the test corner. The copper disks are flush with the surface of the test corner. Thermocouples are then connected to temperature indicators or scanners or data loggers to check the temperature distribution.

Premier Electrosystems, offer these options alongwith software solutions to graphically map the temperature rise of the product.

SPECIFICATIONS :

No of faces : 4 (floor, ceiling, back, left).

Material : Plywood 20mm thickness.

Finish : Inside Black matte color. Outside White

Construction: Platform of test of easy use and adaptation

Measurement points: Matrix of Each 100mm * 100mm.

Material end of measurement: Copper.

Diameter : $\Phi 15 \pm 0.1\text{mm}$

Thickness : 1mm
Thermocouples : Cable Length: 2m or as per requirement
Terminal of thermocouples: Flying Leads for easy connection to Temperature Indicators.
Dimensions : 600mm (w) x 600mm (d) x 600mm (h) OR As per requirement
According to : IEC 60335-1 / IS 302- 1

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