

Heat Transfer From A Pin-Fin



Product Categories: [Engineering Equipment](#), [Heat Transfer Lab](#)

Product Page: <https://www.labappara.com/product/heat-transfer-pin-fin/>

Product Description

Heat Transfer From A Pin-Fin

The setup is designed to study the heat transfer in a pin fin. It consists of pin type fin fitted in duct. A fan is provided on one side of duct to conduct experiments under forced draft conditions. Airflow rates can be varied with the help of damper provided in the duct. A heater heats one end of fin and heat flows to another end. Heat input to the heater is given through Variac. Digital Temperature Indicator measures temperature distribution along the fin.

Specifications:

Fins-12 mm

OD-100 mm long, with 5 thermo-couples along the length

Heater- Band heater to heat one end of fin

Airflow duct- 100 mm. X 150 mm and ½ mtr. Long, connected at suction of blower and is provided with bell mouth entry

Centrifugal blower of variable speed of suitable capacity provided with orifice and water manometer

CONTROL PANEL:

1.12 Channel Digital Temperature Indicator

2. Dimmerstat : 0 - 2 A.

3. Main's on/Off Switch.
4. Voltmeter: 0 - 250 V.
5. Ammeter: 0 - 3 A.
6. Blower On/Off Switch.