

Product Name :
HEAT TRANSFER FROM A PIN FIN

Product Code :
TRANSFORMER0001



Description :

HEAT TRANSFER FROM A PIN FIN

Technical Specification :

To study the temperature distribution along the length of a pin fin in natural & forced convection.

To calculate Gr, Pr & Nu number in natural convection.

Calculate Re, Pr & Nu number in forced convection.

Calculate the value of m & obtain the temperature at various locations along the length of the fin in natural & forced convection.

Calculate the values of heat transfer rate from the fin & the fin effectiveness in natural & forced convection.

The experiments can be conducted at various values of input & calculation can be made accordingly.

CONTROL PANEL :
1. 0.5 Channel Digital Temperature Indicator
2. Differential μ A
3. Motor On/Off Switch
4. Voltmeter 0-250 V
5. Ammeter 0-1 A

6. Motor On/Off Switch

EXPERIMENTAL SETUP :

1. Heat Transfer Assembly
2. Hot Water Tank
3. Insulated tank with surface & thermometer arrangement for measurement
4. Coolant which is to be used

5. Set of thermocouples

SPACE REQUIRED :

1.5 m (L) x 1.0 m (W) table top

Service Required :

230 V Ac Supply 50 Hz

We are well-known manufacturers, OEM suppliers of HEAT TRANSFER FROM A PIN FIN for HEAT TRANSFORMER LAB. Contact us for high quality HEAT TRANSFER FROM A PIN FIN for HEAT TRANSFORMER LAB for schools lab, college lab, universities, research labs, various teaching and workshop training laboratories and industries in India.

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