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Product Name :
Heat Conduction In Metals

Product Code :
ENGLABINGCAG7900005



Description :

Heat Conduction In Metals

Technical Specification :

Heat conduction is one of the three basic forms of heat transfer.
According to the second law of thermodynamics, heat is always transferred from the higher energy level to the low energy level.

If the temperature of a body does not change despite continuous addition or removal of heat, this is known as steady-state heat conduction.

Learning Objectives And Experiments

- Time dependency until the steady state is reached
- Calculate the thermal conductivity of different metals
- Calculate the thermal resistance of the sample
- Heat transfer with different samples connected in series
- Effect of sample length on heat transfer

Features

- Effect of different metals on heat conduction

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